Procedures & Policies

Ordering Procedures

For your convenience, an order form is available on page 3 for copying. You may also request forms by phone or print from julesborel.com.

By phone 800-776-6858

1. Call our order desk between 8 am and 5 pm Central time weekdays or leave an order on our recorder 24 hours a day.
2. Tell us your phone number with area code.
3. Specify any special instructions.
4. State stock number, description and quantity needed.

By fax 800-776-6862

1. Use a copy of the Order Form on page 3.
2. Be sure to include your store name and phone number with area code.
3. Specify any special instructions.
4. Write stock number, description and quantity needed.

By the internet at www.julesborel.com

1. Log in.
2. Use search or browse to find products.
3. Add to cart in many ways.
4. Check out when finished.

Shipping Instructions

Please give precise shipping instructions. If you don't have a shipping preference we will ship via "the best way" which balances economy, quick delivery and security. Some items have restrictions and special requirements on how they can be shipped.

Shipping Choices

- FedEx Overnight AM
- FedEx Overnight PM
- US Mail First Class
- UPS Ground
- FedEx COD
- FedEx Second Day
- FedEx Saver
- US Priority Mail
- UPS COD

Archie Perkins has over 70 years of experience in the watchmaking and clockmaking industry. For 25 years, he wrote "Technically Watches" for AWCI's Horological Times. Archie has been published in the British Horological Journal, Watch & Clock Review, and the NAWCC Bulletin. Archie is a distinguished writer, instructor, restorer, and watchmaker. It is an honor to display his exceptional drawing on our cover.

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Procedures & Policies

New Customers

We offer immediate, open account convenience to jewelers and watchmakers rated 1 or 2 by the Jewelers Board of Trade. For non-rated customers, select one of the other methods of payment below or request our credit application form. Please allow two weeks for us to process your credit request.

Methods of Payment

1. Jules Borel & Co. Open Credit Account, with terms of 30-days net.
2. Mastercard, Visa, American Express or Discover
3. COD Money Order

Pricing & Products

Due to fluctuations in raw material costs, manufacturing costs or foreign currency rates prices are no longer shown in this catalog. For current prices check www.julesborel.com or inquire at the time of your order.

Products received may differ slightly because of changes from the time of printing, or may have been discontinued without notice. We reserve the right to substitute out-of-stock items with same or better-quality items. Please advise if substitutions are not acceptable.

Our Guarantee

We guarantee all items to be free from defects in material and workmanship. If you are not satisfied with an item return it to us in original condition within 30 days. Various manufacturers warranties may apply.

Returns & Repairs

We will serve you quickly and efficiently in the repair of any item we sell, based on manufacturer's warranty. Please send a copy of your invoice with warranty returns. We reserve the right to charge a restocking fee for catalog items returned after 30 days. Special orders and hazardous materials are not returnable.

Return Procedures

Please help us serve you better:

1. Provide the reason for the return.
2. Include a copy of the invoice or the invoice number.
3. Place the item in its original packaging, and pack into a sturdy outer carton.
4. Ship the item back, insuring for its value in case of shipping damage or loss.

Outer or Concealed Damage

If merchandise arrives in a damaged box, sign the receipt and write on the receipt "received in damaged condition". If the outer carton is intact but the merchandise is damaged, do not remove it from its box. In either case, call the carrier and request an inspection on your premises. They will deny any liability for damaged merchandise, unless the above procedures are followed.

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In the event an item is temporarily out of stock, the item will be placed on back order and shipped as soon as possible. Please advise if you prefer no back orders. For convenience and savings for those who order regularly, we make every attempt to combine the back ordered item with new orders.

Professional Use Only

These tools and supplies are designed for the professional watchmaker and jeweler. Please be sure that you understand their proper use and all safety precautions before ordering. Material Safety Data Sheets (MSDS) are available online with each relevant item's detail page at julesborel.com.

Copy this form to help you prepare your order

Order Form

Serving Watchmakers and Jewelers since 1920

Send to

Your Name _____Date _____P.O. No. _____

Business Name _____Phone No. ____-_____

Shipping Address _____ Fax No. ____-_____

City _____State _____Zip _____ Country _____

Sales Tax No. _____ Email _____

Shipping Instructions

Select the best method ❒ US Mail First Class ❒ US Priority Mail ❒ UPS Ground ❒ UPS COD
❒ FedEx Overnight AM ❒ FedEx Overnight PM ❒ FedEx Second Day ❒ FedEx Saver ❒ FedEx COD

Payment by

❒ Jules Borel Open Account ❒ COD Money Order
❒ MasterCard ❒ Visa ❒ American Express ❒ Discover

Credit Card Number _____Expiration Date _____

Cardholder's printed name _____Cardholder's Signature _____

Billing Address if Different _____City _____ State _____ Zip _____

Order

Prices may change without notice. If out of stock: ❒ Backorder ❒ Please call ❒ No backorders

Stock #	Quantity	Description	Price Each	Total
			Subtotal	
			Estimated S/H	
			Total Order	

Jules Borel & Co. ■ 1110 Grand Blvd. ■ Kansas City, MO 64106
Phone 800-776-6858 ■ Fax 800-776-6862 ■ Web www.julesborel.com

Our comprehensive line of tools and supplies will make your job easier. Call, fax or go online to order today!

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We will be happy to send you any of our catalogs. Phone 800-776-6858, between 8:00 - 5:00 Monday - Friday Central time, log on www.julesborel.com, or fax to 800-776-6862 any-time day or night!

Stock #	Catalog	Description
CAT-M	Watch Movements	Illustrated reference and catalog of watch movements
CAT-T	Tools	Tools, supplies and equipment for watchmakers and jewelers
CAT-CRY	Crystal Catalog	Crystals and crystal-related tools
CAT-B	Watch Battery Guide	Comprehensive battery selection for watches and many other uses
CAT-HP	Horological Parts	Watch batteries, crowns, crystals, movements, gaskets, and assortments
CAT-MALLARD	Mallard Watches	Brochure and price list for our quality watch line sold exclusively to jewelers
CAT-F	Findings	Comprehensive supply of findings, metals and basic jewelry

Online Catalogs

Whether you want to place an order or just look up that hard-to-find part, you can access our catalogs and ad flyers online at www.julesborel.com. Make it a habit to check back regularly for specials and to see the latest products.

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Pacific Abrasives® Premium Polishing Wheels

These premium, Italian-made silicone polishing wheels have rouge built into them, allowing you to avoid the use of messy polishing compounds. This line of abrasives is rapidly becoming the favorite of jewelers and craftsmen everywhere. For use with mandrel MD43.128, shown on page 11.

Dark Blue - Coarsest Grit & Medium Wheel

Use for extra rough surfaces in preparation for the dark grey or white wheels. Leaves satin finish without using tripoli. Available in 7/8".

Flat Edge (G-1B)

Stock #	Size
AB11.801	7/8"

Knife Edge (G-2B)

Stock #	Size
AB11.805	7/8"

White - Coarse Grit & Hard Wheel

Use this for harder metals, since it is slightly harder than the dark grey series. Experiment to determine which works best for you. Available in 5/8" or 7/8".

Flat Edge (G-A)

Stock #	Size
AB11.821	5/8
AB11.819	7/8"

Knife Edge (G-B)

Stock #	Size
AB11.825	5/8"
AB11.823	7/8"

Dark Gray - Medium Grit & Soft Wheel

Great for preparing surface for final polish of soft metals. Leaves satin finish without using tripoli. Available in 5/8" or 7/8".

Flat Edge (G-1)

Stock #	Size
AB11.813	5/8"
AB11.811	7/8"

Knife Edge (G-2)

Stock #	Size
AB11.817	5/8"
AB11.815	7/8"

Pink - Final Polish & Soft Wheel

Produces an incomparable "High Shine" without using any rouge. Especially good for final finish of platinum. Available in 5/8" or 7/8". Does not remove metal.

Flat Edge (G-4)

Stock #	Size
AB11.829	5/8"
AB11.827	7/8"

Knife Edge (G-5)

Stock #	Size
AB11.833	5/8"
AB11.831	7/8"

Polishing Wheels & Pins

White Stone Polishing Wheels - Coarse

For initial small touch-ups on precious stones. Available in 7/8". Use mandrel MD43.128, shown on page 11.

Flat Edge (SG-1)

Stock #	Size
AB11.917	7/8"

Knife Edge (SG-2)

Stock #	Size
AB11.913	7/8"

Light Gray Stone Polishing Wheels - High Shine

For final touch-ups on precious stones. Use mandrel MD43.128.

Flat Edge (SG-4)

Stock #	Size
AB11.909	7/8"

Knife Edge (SG-5)

Stock #	Size
AB11.905	7/8"

Pacific Abrasives Starter Kit - J Kit

This 44-piece assortment contains thirty-five wheels in both square and knife edge, six assorted mini points and three mandrels, stored in a handy organizer.

Stock #	Description
AB11.810	Starter Kit of Abrasives

Mini Points - 3mm Diameter Prong Polishers

Pacific Abrasives points are used to touch up prongs and other hard-to-reach areas. Under 3mm diameter and 25mm long, these are excellent for detail work. Use light pressure and low speed with mandrel MD11.894.

Stock #	Description	Grit
AB11.835	Dark Brown	Coarse/Hard
AB11.837	Brown	Medium/Soft
AB11.839	Green	High Shine

Holder Mandrel - 3mm Diameter Mini Points

Stock #	Description
MD11.894	3/32" Mandrel for Mini Points

Silicone Polishing Pins - 2mm Diameter

Very slender and strong pins for polishing areas which are difficult to access. Available in three grits. Use mandrel MD420.00. Made in Germany.

Stock #	Grit	Diameter x Length
AB420.60	Medium Grit (Gray)	2 x 20mm
AB420.70	Fine Grit (Brown)	2 x 20mm
AB420.80	Extra-Fine Grit (Green)	2 x 20mm

Mandrel - 2mm Diameter Silicone Pins

Mandrel with 3/32" shank to hold polishing pins. Entire polishing pin can be used. Made in Germany.

Stock #	Description
MD420.00	2mm Mandrel Holder

Silicone Polishers

Abrasive wheels infused with silicon carbide are great for deburring, cleaning, smoothing and polishing gold and all other metals to a high luster. Recommended maximum 1,000-5,000 rpm.

Unmounted Silicone Polishers

Stock #	Description	Grit	Size
AB11.600	Square Edge	Coarse (Lt. Gray)	7/8″ x 1/8″
AB11.607	Square Edge	Medium (Black)	7/8″ x 1/8″
AB11.614	Square Edge	Fine (Blue)	7/8″ x 1/8″
AB11.621	Square Edge	Extra-Fine (Pink)	7/8″ x 1/8
AB11.602	Knife-Edge	Coarse (Lt. Gray)	7/8″ x 1/8
AB11.609	Knife-Edge	Medium (Black)	7/8″ x 1/8″
AB11.616	Knife-Edge	Fine (Blue)	7/8″ x 1/8″
AB11.623	Knife-Edge	Extra-Fine (Pink)	7/8″ x 1/8″
AB11.604	Cylinder	Coarse (Lt. Gray)	13/16″ x 1/4″
AB11.611	Cylinder	Medium (Black)	13/16″ x 1/4″
AB11.618	Cylinder	Fine (Blue)	13/16″ x 1/4″
AB11.625	Cylinder	Extra-Fine (Pink)	13/16″ x 1/4″

Square-edge wheel

Knife-edge wheel

Cylinder

Mounted Silicone Polishers

Mounted on 3/32″ diameter shanks.

Stock #	Description	Grit	Size (mm)
AB11.606	Cone	Coarse (Lt. Gray)	5.5 x 15.5
AB11.620	Cone	Fine (Blue)	5.5 x 15.5
AB11.627	Cone	Extra-Fine (Pink)	5.5 x 15.5
AB11.605	Barrel	Coarse (Lt. Gray)	6 x 11.5
AB11.619	Barrel	Fine (Blue)	6 x 11.5
AB11.626	Barrel	Extra-Fine (Pink)	6 x 11.5
AB460.08	Wheel	Coarse (Lt. Gray)	11 x 2
AB470.08	Wheel	Fine (Blue)	11 x 2
AB480.08	Wheel	Extra-Fine (Pink)	11 x 2

Cone

Barrel

Square-edge wheel

Large Silicone Polishing Wheels

Use these silicon carbide wheels on buffing motors with 1/2″ shafts using MD920 for the right side and MD921 for the left side of the motor, see page 18. The AB490.80 pink wheel can also be used for polishing the bevel edge on mineral glass watch crystals. 1/2″ hole.

Stock #	Grit	Size
AB490.50	Coarse (White)	4 x 9/16″
AB490.60	Medium (Black)	4 x 9/16″
AB490.70	Fine (Blue)	4 x 9/16″
AB490.80	Extra-Fine (Pink)	4 x 9/16″

Diamond-Infused Rubber Polisher

High luster is created quickly with this durable polisher. Use at 5,000-10,000 rpm.

Stock #	Description	Grit	Diameter x Length
AB11.649	Cone	Coarse	5/32″ x 1/2″
AB11.648	Cone	Medium	5/32″ x 1/2″
AB11.650	Cone	Fine	5/32″ x 1/2″
AB11.646	Wheel	Coarse	5/8″ x 7/64″
AB11.645	Wheel	Medium	5/8″ x 7/64″
AB11.647	Wheel	Fine	5/8″ x 7/64″

- *Coarse grit polishers are used for acrylic, precious metals and ceramics.*
- *Medium grit polish precious metals.*
- *Fine polishers give a high shine.*
- *Extra-Fine polishers give a super-high luster.*

Diamond Points & Wheels

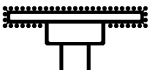
Diamond Points

Diamond particles are electroplated onto stainless steel to provide superb quality. Excellent for stone carving, cleanup work, glass, ceramics and metals. Measuring 1 3/4" long, with a 3/32" shaft and medium fine grit. Sold individually.

Stock #	Diameter	Length
1. DB100.04	4mm	9mm
2. DB120.02	2mm	8mm
3. DB120.03	3mm	11mm
4. DB125.07	7mm	12mm
5. DB130.06	6mm	8mm

Stock #	Diameter	Length
6. DB135.02	2.0mm	12mm
7. DB140.03	3.5mm	6mm
8. DB145.01	1.5mm	10mm
9. DB145.00	0.9mm	4mm
10. DB120.06	6.0mm	10mm

Stock #	Diameter	Length
11. DB155.01	1mm	1mm
12. DB155.02	2mm	2mm
13. DB155.03	3mm	3mm
14. DB155.04	4mm	4mm



DB180.10
Mounted

DB180.30

Diamond Wheels

Durable diamond wheels are used for grinding, cutting and texturing. They will withstand high speeds for extended periods of time. Use mandrel MD43.128 with the unmounted wheels. DB180.10 is permanently set on a 3/32" mandrel.

Stock #	Description	Type
DB180.10	1/2" x 0.6mm	Mounted
DB180.30	1" x 0.5mm	Unmounted
DB180.40	1" x 0.4mm	Unmounted

Diamond points and wheels must be used with a lubricant, either water or Cut-Lube.

Cut-Lube™

High tech bur, drill and sawblade lubricant reduces friction and heat build-up. Just dip the tool regularly as you work, and Cut-Lube will extend the life of the tool as well as increase its productivity.

Stock #	Size
BR1410	2oz.

Economy Diamond Discs

Medium diamond grit is electroplated on both sides of these diamond discs used for smoothing and cutting glass, ceramic and stone. Use 3/32" mandrel MD43.128.

Stock #	Description
DB225.01	Diamond Discs

Diamond Bit Set

Excellent starting set with 20 diamond bits in several shapes and sizes in a plastic organizer. Available in 3/32" or 1/8" shanks. Can be used on ceramic, glass or stones. These fine to medium cut bits are 1 3/4" long.

Stock #	Description
DB224.00	1/8" Shanks
DB225.00	3/32" Shanks

3M™ Trizact Bands for All Metals

Microreplication technology creates aluminum oxide pyramids for fast, consistent cutting rates. Use wet or dry on all metals for removing material, smoothing or pre-polishing. Long-lasting, sold in packs of 10. Use with mandrel MD1257.

Stock #	Size & Description	Grade	Grit
AB4723	½" x ½" Band	A80	220
AB4725	½" x ½" Band	A45	400
AB4727	½" x ½" Band	A16	1200

3M™ Flexible Diamond Bands for Platinum

Metal bonded diamond bands are excellent for shaping and carving on metal or stone. Great for the inside of rings because it cuts sanding time in half. Prolong life by using water or BR1410 lubricant. Use with mandrel MD1257.

Stock #	Micron	Mesh	Size
AB10.170	250	60	½" x ½"
AB10.171	125	120	½" x ½"
AB10.172	74	200	½" x ½"
AB10.173	40	400	½" x ½"
AB10.174	20	800	½" x ½"

Airflex Platinum Polishers

Cool-running flexible wheels aggressively texturize and polish platinum and titanium. Small wheels operate at 5,000-10,000 rpm, larger wheels at 3000 rpm. Use with a tapered spindle for 4" wheels and MD43.128 for ⅞" wheels.

Stock #	Description	Grit	Thickness
AB1400	⅞" Wheel	Coarse (Blue)	⅛"
AB1401	⅞" Wheel	Medium (Gray)	⅛"
AB1402	⅞" Wheel	Fine (Brown)	⅛"
AB1420	4" Wheel	Coarse (Blue)	⅝"
AB1421	4" Wheel	Medium (Gray)	⅝"
AB1422	4" Wheel	Fine (Brown)	⅝"

Unmounted Platinum Polishers

Cylinder

3mm Point

Unmounted polishers use mandrels MD43.128 for the wheels, MD43.126 for the cylinder and MD11.894 for the narrow cylinder. See page 217.

Stock #	Description	Grit	Diameter x Length
AB390.22	Cylinder	Medium (Gray)	7 x 20mm
AB390.32	Cylinder	Fine (Lilac)	7 x 20mm
AB390.23	3mm Point	Medium (Gray)	3 x 23mm
AB390.33	3mm Point	Fine (Lilac)	3 x 23mm

Large 4" High Performance Polishing Wheels

Long-lasting, large unmounted polishing wheels are excellent for use on precious alloys, platinum, titanium and stainless steel. Center hole is ½" and requires an MD920 right or MD921 left mandrel. 3,000 rpm.

Stock #	Description	Grit	Thickness
AB1427	4" Wheel	Medium (Gray)	9/16"
AB1428	4" Wheel	Fine (Lilac)	9/16"

Polishers for Platinum

3M™ Radial Bristle Discs

Unique three-dimensional flexible bristle discs stacked (minimum of 3) for cleaning hard-to-reach areas on all metals. With their very tough embedded mineral abrasive, these create much less heat than rubber wheels.

With 1/16" hole. Use Mandrel MD43.156.

Stock #	Grit	Diameter	Color
AB10.3507	120	9/16″	White
AB10.3508	220	9/16″	Red
AB10.3509	400	9/16″	Blue
AB10.3510	Pumice	9/16″	Pink
AB10.3511	6 Micron	9/16″	Peach
AB10.3512	1 Micron	9/16″	Mint
AB10.3501	80	3/4″	Yellow
AB10.3502	220	3/4″	Red
AB10.3503	400	3/4″	Blue
AB10.3504	Pumice	3/4″	Pink
AB10.3505	6 Micron	3/4″	Peach
AB10.3506	1 Micron	3/4″	Mint

With 3/8" hole. Use Mandrel Adapter MD10.3541.

Stock #	Grit	Diameter	Color
AB10.3517	80	2″	Yellow
AB10.3518	120	2″	White
AB10.3519	220	2″	Red
AB10.3520	400	2″	Blue
AB10.3521	Pumice	2″	Pink
AB10.3522	6 Micron	2″	Peach
AB10.3523	1 Micron	2″	Mint
AB10.3524	80	3″	Yellow
AB10.3525	120	3″	White
AB10.3526	220	3″	Red
AB10.3527	400	3″	Blue
AB10.3528	Pumice	3″	Pink
AB10.3529	6 Micron	3″	Peach
AB10.3530	1 Micron	3″	Mint

Mandrel for Small Radial Discs

Needed for 9/16" and 3/4" radial discs. 1/8" diameter shank.

Stock #	Diameter
MD43.156	1/16″ Center Hole

3/8" Tapered Spindle Mount Adapters

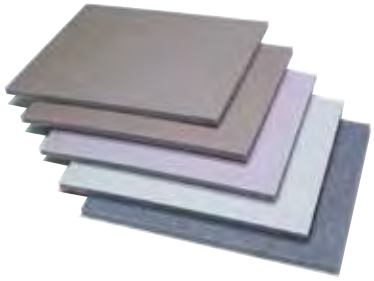
Needed for 2" and 3" radial bristle discs.

Stock #	Diameter
MD10.3541	3/8″ Center Hole Adapter

3M™ Platinum 405N Paper Sheets

Special abrasive paper to use as a pre-polish on platinum.

Stock #	Grit/Micron	Size
AB10.282	400/30	8″ x 10″
AB10.283	500/20	8″ x 10″



3M™ Sanding Sponges

Closed-cell foam rubber sanding pads can be folded or trimmed to conform to almost any surface. Use wet or dry. The micron-graded aluminum oxide abrasive makes them useful for platinum or a variety of applications. 4 1/2" x 5 1/2".

Stock #	Grade
AB10.295	Micro Fine
AB10.296	Ultra Fine
AB10.297	Superfine
AB10.298	Fine
AB10.299	Medium

Shofu® Abrasives

Use these high-quality abrasives to polish gold, silver and platinum. Brownies will smooth to a satin finish, Greenies will polish to a luster and Super Greenies will super-polish. Mounted polishers are on 3/32" stainless steel mandrels. Made in Japan.

Shofu Knife Wheel

The mounted KN7 shape is a 1/2" diameter wheel with tapered edge.

Stock #	Style
AB0271	Brownie KN7
AB0274	Greenie KN7
AB0277	Super Greenie

Super Greenies have a yellow band on the shaft.

Shofu Bullet

The mounted PC2 bullet is a 3/16" diameter by 7/16" long cylinder with a tapered point.

Stock #	Style
AB0272	Brownie PC2
AB0275	Greenie PC2
AB0278	Super Greenie 2

Shofu Flat Wheel

The mounted WH6 wheel is 1/2" diameter x 2mm thick with a squared edge.

Stock #	Style
AB0273	Brownie WH6
AB0276	Greenie WH6
AB0279	Super Greenie

Shofu Unmounted Wheels

Unmounted, 7/8" diameter x 3mm thick wheel with a squared edge. Use mandrel MD43.128.

Stock #	Style
AB0453	Brownie
AB0454	Greenie
AB0454A	Super Greenie

Shofu Floppy Disc

Unique, very thin flexible disc is 7/8" diameter and mounted on a 3/32" mandrel.

Stock #	Style
AB0458	Brownie
AB0459	Greenie

Unmounted Wheel Mandrels

Multipurpose 3/32" diameter mandrels for unmounted wheels.

Stock #
MD43.128

Shofu Polishing Kit

Complete kit includes: Brownies - two knife edge wheels, two bullets and two wheels; Greenies - one knife, one bullet and one wheel; Super Greenies - one knife, one bullet and one wheel. Total of 12 pieces, mounted on 3/32" mandrels.

Stock #	Description
AB0303	Shofu Complete Set

Online Shopping Categories

Live pricing at julesborel.com

- *Assortments*
- *Batteries*
- *Crystals*
- *Domes*
- *Findings*
- *Jewelry*
- *Mallard Watches*
- *Movements*
- *Supplies*
- *Tools*
- *Watch Band & Strap Parts*
- *Watch Bands & Straps*
- *Watch Case Parts*
- *Watch Movement Parts*

Cratex® Rubberized Abrasives

Made with quality silicon carbide which has been treated to remove impurities. Use on metal, plastic, glass and porcelain.

Straight Wheels

Use for countless operations requiring absolute control of material removal: micro-deburring, polishing away fatigue lines and scratches. Use mandrel MD43.128.

Stock #	Color	Dimensions
AB1504/C	Dk. Green	5/8″ x 3/32
AB1504/M	Brown	5/8″ x 3/32″
AB1504/F	Red	5/8″ x 3/32″
AB1504/XF	Lt. Green	5/8″ x 3/32″
AB1505/C	Dk. Green	5/8″ x 1/8″
AB1505/F	Red	5/8″ x 1/8″
AB1505/M	Brown	5/8″ x 1/8″
AB1505/XF	Lt. Green	5/8″ x 1/8″
AB1506/C	Dk. Green	7/8″ x 1/8″
AB1506/M	Brown	7/8″ x 1/8″
AB1506/F	Red	7/8″ x 1/8″
AB1506/XF	Lt. Green	7/8″ x 1/8″

Bullets

Use mandrel MD43.126.

Stock #	Color	Dimensions
AB1551/C	Dk. Green	1″ x 9/32″
AB1551/M	Brown	1″ x 9/32″
AB1551/F	Red	1″ x 9/32″
AB1551/XF	Lt. Green	1″ x 9/32″
AB1552/C	Dk. Green	5/8″ x 3/8″
AB1552/M	Brown	5/8″ x 3/8″
AB1552/F	Red	5/8″ x 3/8″
AB1552/XF	Lt. Green	5/8″ x 3/8″

C = Coarse/Dark Green *F = Fine/Red*
M = Medium/Brown *XF= Extra Fine/Light Green*

Tapered Edge Wheels

A tapered edge makes these wheels exceptionally versatile for fine work on small parts and hard-to-reach intricate designs. Use mandrel MD43.128.

Stock #	Color	Dimensions
AB1500/C	Dk. Green	5/8″ x 3/32″
AB1500/M	Brown	5/8″ x 3/32″
AB1500/F	Red	5/8″ x 3/32″
AB1500/XF	Lt. Green	5/8″ x 3/32″
AB1501/C	Dk. Green	1″ x 1/8″
AB1501/M	Brown	1″ x 1/8″
AB1501/F	Red	1″ x 1/8″
AB1501/XF	Lt. Green	1″ x 1/8″

Cylinders

Use mandrel MD43.126.

Stock #	Color	Dimensions
AB1550/C	Dk. Green	7/8″ x 1/4″
AB1550/M	Brown	7/8″ x 1/4″
AB1550/F	Red	7/8″ x 1/4″″
AB1550/XF	Light Green	7/8″ x 1/4″

MD43.128

MD43.126

Mandrel for Unmounted Wheel

Multipurpose mandrels for unmounted polishers.

Stock #	Description
MD43.128	3/32″ for Wheels
MD43.126	3/32″ for Cylinders, Bullets

Pumice Wheel Assortment

This 75-piece set has 12 wheels of each style: 5/8" and 7/8" square blue wheels, 3/8" and 5/8" tapered blue and white wheels, plus three mandrels with 1/8" shanks.

Stock #	Description
AB1845	75-piece Assortment

Brightboy® Miniature Wheels

Aluminum oxide abrasive is cushioned by a resilient rubber binder for the ideal bridge between grinding and polishing. For stainless steel, chrome and precious metals. Approximately 70 grit.

Stock #	Size	Description
AB10.670	5/8" x 1/8"	Wheel
AB10.678	7/8" x 1/8"	Wheel
AB10.687	5/8" x 1/4"	Knife-edge

Brightboy® Assortment

Set includes wheels, cylinders, points and mandrels. 57 pieces total.

Stock #	Description
AB1830	Brightboy Assortment

Brightboy® Rod

Use these rods to clean in deep areas otherwise not within reach. Rod and holder sold separately.

Stock #	Size	Description
AB10.656	5/16" x 5"	Brightboy Rod
AB10.657		Plastic Holder

Fine Brightboy WR Pumice Wheels

Pumice grit with resilient rubber base for cleaning, polishing or finishing. Produces a smooth finish on soft metals. Center hole is 1/16". Use mandrel MD43.128.

Stock #	Grit/Color	Size	Style/Shape
AB1832	Fine/Blue	5/8" x 3/32"	822 Sq. Edge
AB1833	Fine/Blue	7/8" x 1/8"	888 Sq. Edge
AB1836	Fine/Blue	5/8" x 1/8"	999 Knife
AB1837	Coarse/White	5/8" x 1/8"	999 Knife

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Cut-off Wheels

Pacific Abrasives® Ultra-Thin Separating Discs

These extremely thin silicon carbide discs will cut sprues and rings in seconds, saving gold while leaving a slit that is easily soldered. Will also cut glass, ceramic and stones. Recommend 12,000 to 14,000 rpm speed, cuts on both sides. Use with mandrel MD43.128 or MD43.156. Sold in boxes of 25 pieces.

Stock #	Diameter	Thickness
ST11.902	7/8″	.15mm
ST11.900	7/8″	.23mm

Damascus® Silicon Carbide Separating Discs

Thin grinding discs for cutting, grinding and slitting all metals using the edge and both sides. Has a pinhole for mandrel mounting. Use with mandrel MD43.128 or MD43.156. Sold in boxes of 100.

Stock #	Diameter	Thickness
ST11.778	3/4″	.6mm
ST11.776	7/8″	.4mm
ST11.780	7/8″	.6mm
ST11.782	1″	.6mm

Aluminum Oxide Cut-off Wheels

Made of rubber-bonded aluminum oxide grains, these wheels are useful for sprue removal and other cut-off operations. Use with mandrel MD43.128.

Stock #	Diameter	Thickness
ST10.541	7/8″	.25mm
ST10.537	7/8″	.76mm
ST10.538	1″	.76mm
ST10.540	1 1/2″	.64mm

Resin Bonded Separating Discs

Resin bonded aluminum oxide cuts all metals rapidly and smoothly. It is fast and long-lasting, stays cool and odor-free. Use with mandrel MD43.128. Sold in boxes of 100.

Stock #	Diameter	Thickness
ST1310	7/8″	.64mm

Mandrels for Wheels and Discs

Multipurpose mandrels.

Stock #	Description
MD43.128	3/32″ Shank
MD43.156	1/8″ Shank

Sanding Mandrels

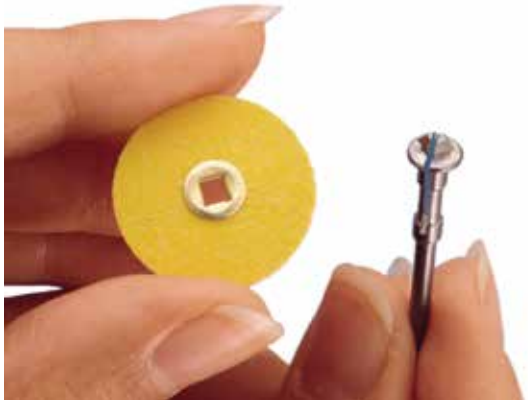
Use these larger diameter barrels to more efficiently sand and finish the inside of rings. Made of stainless steel, they include rubber bands to hold the sandpaper in place.

Stock #	Diameter	Shank
MD450.01	1/4″	3mm
MD450.02	3/8″	3mm
MD450.03	1/2″	4mm

Snap-on Mandrel

High quality nickel-plated steel. 3/32" shank.

Stock #	Diameter
MD1090	3/32″



Magnum® Snap-on Sanding Discs on Plastic

Discs have aluminum oxide grit mounted on a special reinforced plastic backing and are more durable than paper backed discs. Brass center allows use with the snap-on/flip-off 3/32" mandrel MD1090. Box of 100.

Coarse	Medium	Fine	Diameter
AB1126	AB1123	AB1120	7/8"
AB1127	AB1124	AB1121	3/4"
AB1128	AB1125	AB1122	1/2"

Guidelines for Safe Grinding

It is dangerous to use grinding wheels improperly. Comply with American National Standards Institute Safety Code b7.1 and Occupational Safety and Health Act covering speed, safety guards and mounting procedures.

Diameter in	Diameter mm	Max. rpm
1/2 Inches	12.7mm	20,350
5/8 Inches	15.9mm	16,250
3/4 Inches	19.1mm	13,540
7/8 Inches	22.8mm	11,600
1Inches	25.4mm	10,175
1 1/4 Inches	31.8mm	10,125
1 1/2 Inches	38mm	10,125
2 Inches	51mm	7,625
2 1/2 Inches	64mm	6,100
3 Inches	76mm	5,060
4 Inches	102mm	3,800
5 Inches	127mm	3,050

Moore's Adalox® Red Snap-on Sanding Disc

Aluminum oxide mounted on thin flexible paper-backed discs is water resistant and more aggressive and longer lasting than emery grit. Use with special snap-on 3/32" mandrel MD1090. Box of 50.

Coarse	Medium	Fine	Size
AB1077	AB1082	AB1087	1/2"
AB1075	AB1080	AB1085	3/4"
AB1076	AB1081	AB1086	7/8"

Adalox® Pin Hole Sanding Discs

Aluminum oxide grit mounted on a flexible backing allows accessibility into hard-to-reach places. Pin hole centers allow for use with reinforced mandrel MD43.128. Pack of 100 discs.

Coarse	Medium	Fine	Diameter
AB1103	AB1104	AB1105	7/8"
AB1106	AB1107	AB1108	3/4"
AB1109	AB1110	AB1111	1/2"

New 3M® Trizact Discs 7/8"

Aluminum oxide pyramids produce fast, consistent cutting rates wet or dry. Use with Mandrel MD43.128 (see page 14) to remove, smooth or pre-polish material.

Stock #	SIze	Grade	Grit
AB5722	7/8"	A80	220
AB5723	7/8"	A45	400
AB5724	7/8"	A30	600
AB5726	7/8"	A16	1200
AB5728	7/8"	A6	2500

Abrasive Bands & Rolls

No-Lap Abrasive Bands

Fast cutting, silicon carbide coated bands give smooth, even finishes without chatter or shadow marks. Remove the toughest metals on flat or contoured surfaces. All sizes are 1/2" wide. Mount bands on rubber expanding arbors listed below. Box of 100 bands.

Stock #	Grit	Diameter
AB1200	Fine 120	1/4"
AB1201	Medium 80	1/4"
AB1202	Coarse 60	1/4"
AB1203	Fine 120	3/8"
AB1204	Medium 80	3/8"
AB1205	Coarse 60	3/8"
AB1206	Fine 120	1/2"
AB1207	Medium 80	1/2"
AB1208	Coarse 60	1/2"
AB1209	Fine 120	3/4"
AB1210	Medium 80	3/4"
AB1211	Coarse 60	3/4"

Cartridge Roll - Box of 25

Rolled aluminum oxide abrasive material for polishing and deburring. Great for inside rings. Use with special mandrels below. All cartridge rolls are 1/2" wide with a 1/8" hole.

Stock #	Grit	Length
AB1270	Fine	1"
AB1271	Medium	1"
AB1272	Coarse	1"
AB1273	Fine	1 1/2"
AB1274	Medium	1 1/2"
AB1275	Coarse	1 1/2"

Mandrels for Cartridge Rolls

Use with 1-1 1/2" long cartridge rolls.

Stock #	Shank
MD1281	1/8"
MD1283	3/32"

Pacific Abrasives® Inside Ring Cylinders

These rouge imfused cylinders are great for inside rings or on wide surfaces. Use 3/32" mandrel MD11.898.

Stock #	Color	Grit
AB11.845	Blue	Coarse
AB11.846	Gray	Fine
AB11.847	Green	Extra-Fine
AB11.848	Pink	Hi Shine

Inside Ring Cylinder Mandrel

Mandrels for cylinders, with 3/32" shanks.

Stock #	Description
MD11.898	Mandrel for Cylinders

Split Metal Mandrels

Slot holds emery paper so it can be wound around mandrel to desired thickness and secured with a rubber band. To be used with standard flexshaft handpiece. Overall length 2 1/4", with 3/32" shank.

Stock #	Description
MD715	Straight
MD716	Tapered

No-Lap Abrasive Arbor

Use with No-Lap and Trizact bands. Rubber expands when screw is tightened. 1/8" shank, 1/2" wide.

Stock #	Diameter
MD1255	1/4"
MD1256	3/8"
MD1257	1/2"
MD1258	3/4"

Sanger's® Shell Assortments

Stock #	Description
EM11.317	12 Cloth Shells Assorted Grits
EM11.330	12 Paper Shells Assorted Grits
EM11.318	6 Assorted Cloth Shells & Mandrel
EM11.331	6 Assorted Paper Shells & Mandrel

Imported Economy Shells

Stock #	Grit	Quantity
EM11.321E	3/0	12
EM11.322E	2/0	12
EM11.323E	1/0	12
EM11.324E	1	12
EM11.325E	2	12
EM11.326E	3	12

Sanger's® Inside Ring Shells

Smooth and polish rings with these excellent buffs. Emery or longer-lasting cloth shells fit snugly over the wood mandrel that is drilled for a tapered spindle. Available in grits from 4/0 finest to the 3 coarsest. Packaged one dozen per box. Made in the USA.

Paper

Stock #	Grit	Quantity
EM11.321	3/0	12
EM11.322	2/0	12
EM11.323	1/0	12
EM11.324	1	12
EM11.325	2	12
EM11.326	3	12

Cloth

Stock #	Grit	Quantity
EM11.310	4/0	12
EM11.311	2/0	12
EM11.312	1	12
EM11.313	3	12

Split Wood Mandrel

A slot in this mandrel holds emery paper so it can be wound to the desired thickness and secured with a rubber band. Fits on the tapered spindle of your polishing machine. Overall length 4".

Stock #	Description
MD825	Split Wood Mandrel

Wood Mandrel for Inside Ring Shells

Use with inside ring emery buff shells. The shells are held on by friction. The mandrel fits on the tapered spindle of your polishing machine. These can also be used to hold rings or chains when polishing.

Stock #	Description
MD935	Ring Shell Mandrel

Heatless Wheels

Mizzy® Heatless Wheels

Hard, square-edged wheels for deburring and finishing are suitable for materials such as plastic and metal. The loose, coarse construction helps cool the grinding process and produces a matte finish. The wheels can be trued with a file and have a 1/16" pinhole for mounting on mandrel MD43.128.

Width	1/2" dia.	5/8" dia.	3/4" dia.	7/8" dia.	1" dia.
3/32"	ST1150	ST1155	ST1160	ST1165	ST1170
1/8"	ST1151	ST1156	ST1161	ST1166	ST1171
3/16"	ST1152	ST1157	ST1162	ST1167	ST1172

Silicon Carbide Wheels for Lathes

Exceptionally fast cutter for use in grinding mild steel, copper, bronze, gold, silver and also some gemstones. Use tapered mandrel MD43.168 for wheels with 1/4" holes.

Stock #	Grit	Diameter	Width
ST11.740	Fine	2"	1/4"
ST11.741	Medium	2"	1/4"

1/4" Mandrel

This 1/4" mandrel fits wheels up to 3" diameter and 1/2" thick, for use with a #62 lathe chuck which has a 6.2mm hole.

Stock #	Description
MD43.168	Mandrel 1/4" Hole

Mandrels for Silicon Carbide Wheels

Set screws to 1/2" motor shafts for wheels with 1/2" holes.

Stock #	Description
MD920	Motor Mandrel for Right Side
MD921	Motor Mandrel for Left Side

Silicon Carbide Wheels for Motor Mandrel

Similar to wheels above. Use mandrel MD920 for right side wheels and MD921 for left side wheels. These wheels have 1/2" holes.

Stock #	Grit	Diameter	Width
ST11.760	Fine	3"	1/2"
ST11.761	Medium	3"	1/2"

1 1/4" tall

Wheel Adapters

Use with MD920 and MD921. Sold individually.

Stock #	Type	Diameter	Arbor Hole
MD10.3565	Steel	1"	1/2"
MD10.3568	Plastic	1 1/4", 3/4", 5/8", 1/2"	1/2"

Tapered Spindle Adapters

Allows buffs with larger holes to fit on tapered spindles.

Stock #	Description	Hole Size Dia.
MD10.3538	Tapered Spindle Adapter	1"
MD10.3539	Tapered Spindle Adapter	1 1/4"

Jules Borel & Co. is your American Dealer for Greiner, Witschi, Roxer, Elma, and Bergeon. We can help you with your specialized equipment needs before and after the sale.

India Oil Stone Combination

India oil stone is made of a tough aluminum oxide abrasive, unequaled for its long sharpening life, durable shape and smoothness of cut. Oil-filled at the factory, these stones require only a few drops of oil applied occasionally. Fine grit on one side and coarse on the other side.

Stock #	Dimensions
ST776	6″ x 2″ x 1″

Hard Arkansas Stone

Cut from the finest deposit of Novaculite known, the firmness of grit and close density makes this the supreme sharpener of fine delicate tools and instruments. Mounted in wood box.

Stock #	Dimensions
ST744	4″ x 1⅞″
ST746	6″ x 1⅞″

Truing Stone

Quickly reshapes and resurfaces abrasive stones to a like-new condition. Very hard and coarse silicon carbide stone features half-round grooves measuring 1/16”, 1/8”, 3/16”, and 1/4”.

Stock #	Dimensions
ST10.408	3½″ x 1⅜″ x 9/16″

Hard Arkansas Slips

These genuine, fine Arkansas stones can be used to hand-sharpen gravers.

Stock #	Dimensions
ST601	Triangular, 3⅛″ x ¼″
ST611	Square, 3″ x ¼″

Polishing & Cutting Stone Assortment

Ten stones with specially designed holder. 4mm square x 4” long. Grits included: 220, 320, 400, 600, 900, 1200. Stones made in the USA.

Stock #	Description
ST-M155	10 Stones and Holder

Diamond Hones

Shape and sharpen abrasive points. Smooth glass, metal, stone, bone and plastic by hand. 8” long.

Stock #	Description	Color
FDM-10342	1200 Grit	Blue
FDM-10343	600 Grit	Red
FDM-10344	400 Grit	Purple
FDM-10345	250 Grit	Black

Hard Arkansas Slips

Hand sharpens gravers. Works with watchmaker’s lathe to polish pivots. Made in the USA.

Stock #	Description
ST602	Triangular Shaped, 2½″ x .13″
ST601	Triangular Shaped, 3 x .25″
ST604	Triangular Shaped, 3 x .37″
ST611	Square Shaped, 3 x .25″
ST614	Square Shaped, 3 x .37″
ST630	Set of 4 Tri., Sq., Rd., Knife, 3″

Hard Arkansas Wheels

Premium Arkansas stone wheels for dressing and truing. Mounted is 3/4” x 1/4”. Unmounted is 2” x 1/4”. Use with mandrel MD43.168.

Stock #	Description
ST10.599	¾″ Mounted
ST725	2″ Unmounted

Ruby Bench Stone

For sharpening and flattening hard metals, glass, quartz and porcelain. Measures 4” x 1” x 3/8”.

Stock #	Description
ST10.421	Medium
ST10.422	Fine

Norton® Pike Oil

Primarily used as a sharpening oil, Norton Pike Oil can also be used as a general purpose machine oil as well. 4½ ounces.

Stock #	Description
OL42.480	Norton Pike Oil

3M™ Micro Finishing Film Wet or Dry

Use these 8½" x 11" sheets where uniform finishing is needed. The micron grading technique produces same-size particles for consistent finishing every time.

Stock #	Micron	Grit	Color
EM262/260	60	220	Black
EM262/430	30	400	Green
EM262/615	15	600	Orange
EM262/1209	9	1200	Light Blue

3M™ Imperial Lapping Film

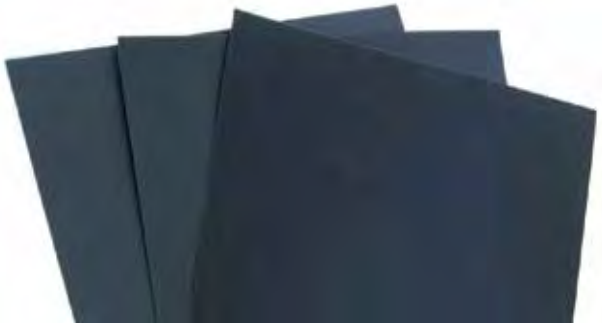
Features a new, special resin over-bonding technique, which resists heat and holds the silicon carbide abrasive particles for a uniform cut whether used wet or dry. Highly wear-resistant and waterproof in 8½"x 11" sheets.

Stock #	Micron	Grit	Color
EM263/5	5	2500	Brown
EM263/3	3	4000	Pink

3M™ Tri-M-ite Wet or Dry Polishing Paper

Soft, cloth-like backing allows the finishing of almost any contoured surface. Precise micron grading provides a consistent finish. 8½"x 11" sheets.

Stock #	Micron	Mesh	Color
EM10.274	30	400	Green
EM10.275	15	600	Gray
EM10.276	9	1200	Blue
EM10.277	3	4000	Pink
EM10.278	2	6000	Mint
EM10.279	1	8000	Light Green



Emery Paper

Use emery paper for dry polishing. This paper may be used folded, wrapped around a stick or with a split mandrel. 9" x 11" sheets.

Stock #	Grit	Mesh
EM776/3	3	180
EM776/2	2	220
EM776/1	1	280
EM776/0	1/0	500
EM776-2/0	2/0	600
EM776-3/0	3/0	1000
EM776-4/0	4/0	1200

Economy Aluminum Oxide Waterproof Paper

Economy abrasive paper. 9" x 13¾" sheets.

Stock #	Grit	Mesh
EM11.295	2	P60
EM11.294	1	P100
EM11.293	1/0	P120

Flat Emery Sticks

For removing rust and filings, and for polishing small parts. A fine grade emery paper is carefully mounted on seasoned wood. The corners are sharp and the paper will not unravel.

Stock #	Grit
EM921-4/0	4/0
EM921-3/0	3/0
EM921-2/0	2/0
EM921/0	1/0
EM921/1	1
EM921/2	2
EM921/3	3
EM921/4	4

Sanding Sticks

Set of 6 half-round sanding sticks for precious metals and PMC finishing. Color-coded sanding surface is 6" long by .75", tapering to .31". Set of six with grits of 6/0, 4/0, 3/0, 2/0, 1 and 2.

Stock #	Description
EM930	Set of 6 Half-round Sanding Sticks
EM935	Set of 6 Round Sanding Sticks

Colored Sanding Sticks

Easy-to-grip, high-impact plastic sticks are tapered to a point for use on small, detailed, hard-to-reach surfaces. Available in five grits, color coded for easy selection. Replaceable wet/dry abrasive belts can be rotated 360 degrees for complete usage. 1/4" by 6" long.

Stock #	Grit	Color
EM1400	120	Red
EM1401	240	Blue
EM1402	320	Green
EM1403	400	Yellow
EM1404	600	Black

Replacement Belts (Pack of 10)

Stock #	Grit	Color
EM1400/1	120	Red
EM1401/1	240	Blue
EM1402/1	320	Green
EM1403/1	400	Yellow
EM1404/1	600	Black

Polishing Stick & Strips

Plastic handle holds strips of 11" x 1" emery paper or emery cloth. Strips can be easily cut from standard 9" x 11" paper. Comes with 2 strips, 120 grit and 240 grit. Overall length is 10 1/2".

Stock #	Description
EM11.350	Polishing Stick
EM11.351	12 Refills, Assorted Grit Sizes

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Crystal Cement

Rocket® Crystal Cement

For plastic crystals. Imported. Approximately .33 oz.

Stock #	Description
CE-SUC	Rocket Crystal Cement

UV Glass Crystal Adhesive

Provides an invisible bond line with the same clarity as glass. Specifically made for glass crystals. Cures only under ultra-violet light from a lamp or sun. Easy-to-use 3ml syringe.

Stock #	Description
CE342	UV Cement

Ultraviolet Lamp

Four pairs of compact UV bulbs provide even, quick curing of UV-activated cement. Swiss.

Stock #	Description
LM174.270	UV Lamp
LM174.270/TUBE	Tube Bulbs

Precision Applicator Bottle

Small metal tip allows precise application. Bottle stands up, so there is no leaking. Transfer your UV cement into one of these bottles and you'll find it much handier.

Stock #	Description
BV200	Empty Bottle Only

Ultraviolet Curing Lamp

Use to cure UV-activated cement. Low heat generation. 110 volts.

Stock #	Description
LMZ-2	UV Lamp
LMZ-BULB	UV Bulb

G.S.® Crystal Cement

Cement designed and manufactured specifically for both plastic and glass watch crystals as well as other crafts. Convenient one ounce tube with pin point applicator.

Stock #	Description
CE411	GS Crystal Cement

Vigor® Super Glue

These strong ethyl adhesives will bond any combination of metal, plastic, rubber, ceramic or glass. They set and cure rapidly at room temperature and require no surface treatment beyond cleaning. Bonding colorless and transparent with almost no shrinkage, they provide excellent resistance to chemicals and low temperatures. Available in two series: 45 to 60 seconds for more strength and 10 to 20 seconds for faster bonding.

45 to 60 Seconds Super Glue

Super Glue Tube

Setting time of 45 to 60 seconds.

Stock #	Quantity
CE475QP	2 Grams

Super Glue Pen

The glue is dispensed simply by pushing on the tip of the pen.

Stock #	Quantity
CE520QP	2 Grams

Set of 5 Super Glue Tubes

Setting time of 45 to 60 seconds.

Stock #	Quantity
CE475	2 Grams

Large Super Glue Bottle

Setting time of 45 to 60 seconds.

Stock #	Quantity
CE485	20 Grams

10 to 20 Seconds Super Glue

Super Glue Tube

This super glue is super speedy with a setting time of 10 to 20 seconds.

Stock #	Quantity
CE480QP	2 Grams

Set of 5 Super Glue Tubes

Setting time of 10 to 20 seconds.

Stock #	Quantity
CE480	2 Grams

Super Glue Bottle

Setting time of 10 to 20 seconds.

Stock #	Quantity
CE12.221	20 Grams

Super Glue/Gel

Mascot Instant Adhesive Gel

This high performance cyanoacrylate adhesive bonds metals, most plastics, rubber, ceramics and glass. The no-drip gel formula fills gaps.

Stock #	Size
CE12.214	3 Gram Tube

New Glue®

Super strength cyanoacrylate adhesive sets and cures rapidly. Dries clear and bonds plastic, metal, glass and rubber. Not for use on foilbacks.

Stock #	Size
CE320	3 Gram Bottle
CE320/25	25 Bottles with Display

Glue Solvents

Attack® Glue Dissolver

Dissolves cured epoxy and resins (but not Super Glue) so you can quickly and easily separate misaligned materials or clean cured resins from metal, stone, glass, wood and many other materials.

Stock #	Size
CE456	8 Fluid Ounces

Vigor® Super Glue Debonder

Solvent/cleaner gel breaks all instant glue bonds and removes hardened glue from skin and all other surfaces. Removes acrylic, enamel, epoxy, paint and oils from surfaces prior to applying instant glues.

Stock #	Size
CE870	10ml Tube

Epoxy & Loctite

5-Minute Epoxy

Devcon two-part epoxy joins materials together with a high-strength bond on metal, wood, concrete, glass, ceramics, china and more. Sets in five minutes, dries clear and has a strength up to 1,500 lbs./square inch.

Stock #	Size
CE720.90	Two 4½ oz. Bottles
CE720.50	Two ½ oz. Tubes
CE720.80	1 oz. Syringe

Loctite 290

Use for preassembled fasteners and threads that are loose. 10ml.

- Color: Green
- Strength: Medium/ High
- Breaking Torque: 260 lbs./in.
- Wicking: Yes

Stock #	Description
CE290	#290 for Steel

Loctite 222

Removable, for gold and softer metals. 10 ml.

- Color: Purple
- Strength: Low
- Breaking Torque: 25-80 lbs./in.
- Wicking: No

Stock #	Description
CE222	#222 for Gold
CE22205	Tube, .05 ml

2-Ton Epoxy

Create a clear, waterproof, high-strength bond on metal, wood, concrete, glass, ceramics, china, etc. Sets in 30 minutes, with strength up to 2,500 lbs/in.

Stock #	Size
CE735.00	Two ½ oz. Tubes

Loctite 638

Retaining compound. Cannot be dismantled without heat 482° F. Bonds gaps up to .25mm. 10 ml.

- Color: Green
- Strength: Maximum
- Wicking: No

Stock #	Description
CE638	#638

Loctite 221

Use for locking and sealing fasteners which require easy disassembly. 10 ml.

- Color: Purple
- Strength: Low
- Breaking Torque: 40-110 lbs./in.
- Wicking: No

Stock #	Description
CE221	#221

Loctite 263

Requires tools, may require heat to remove. 10 ml.

- Color: Red
- Strength: High
- Breaking Torque: 290 lbs./in.
- Wicking: No

Stock #	Description
CE263	#263 for Steel

Jeweler's Epoxy

For making and repairing jewelry. Will not shrink and is unaffected by water, oil or gasoline. Clear, permanent bond sets in five minutes and withstands temperatures up to 175° F. Two parts: resin and hardener.

Stock #	Description
CE451	Jeweler's Epoxy

Epoxy 330®

Fast setting, two-part epoxy that sets in 15 minutes and hardens in two hours. Stays perfectly clear.

Stock #	Size
CE330	Two ½ oz. Tubes

Epoxy 220®

Slow setting, two-part strong bond epoxy. Sets amber clear.

Stock #	Size
CE220	Two ½ oz. Tubes

E6000® Flexible Adhesive

Bonds materials that require a flexible waterproof seal. Bonds metal, leather, rubber, plastic, glass and foilback stones. Made in the USA.

Stock #	Size
CE6000/2	2 oz. Tube

Double Horn Anvil, Round Base

Round and flat steel head is set on a sturdy iron base. The small horn is 3 3/4" across, 2 5/8" high. The larger size is twice as heavy and measures 5 1/4" tall and 7 3/4" from tip to tip.

Stock #	Description
AN112	Small 1 3/4 lb. Anvil
AN222.00	Large 4 1/4 lb. Anvil

Hexagon Anvil

For staking, riveting, and drilling small parts. Has holes, graduated from 3/64" to 1/4", and five milled slots.

Stock #	Description
AN116	Hex Anvil
AN170.00	Economy Anvil

Lead Dapping Block

Used as a base when chasing, cutting, and stamping. 3 1/4" x 3 1/4" x 1".

Stock #	Description
AN25.061	Lead Block

Double Horn Anvil

For flattening and shaping. Has polished and flat horns. Hole in top for riveting. Measures 4 1/2" tip to tip across horns and 1 1/4" wide.

Stock #	Description
AN205.00	Double Horn Anvil

Oblong Anvil

Case hardened and very smooth, has nine graduated holes, four milled slots and one "V" slot. Use for staking, riveting, and drilling. Length 1 3/4", height 1/2".

Stock #	Description
AN111	Oblong Anvil

Rubber Bench Block

Hard rubber is perfect for filing, detail work and all jobs requiring a firm but resilient surface. Will not slide. Measures 4" x 4" x 1".

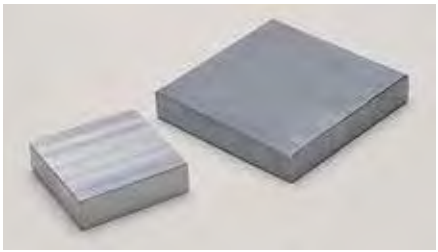
Stock #	Description
AN13.500	Rubber Block

AN550.00

Horn Anvil

Larger cast steel anvils make great bench blocks. The smaller anvil is 5 1/4" long, and weighs 1 3/4 pounds. The larger anvil is 7 1/2" long and weighs six pounds.

Stock #	Description
AN550.00	Small 1 3/4 lb. Anvil
AN600.00	Large 6 lb. Anvil



Steel Bench Block

Both blocks are made with steel that has been case hardened, then carefully drawn for stress relief. Use for flattening, chasing, or riveting.

Stock #	Dimension
AN125	2 1/2" x 2 1/2" x 3/4"
AN127	4" x 4" x 3/4"

Hockey Puck Pad

When you need a firm but soft pad to help remove pins and do other work on watches, this nearly indestructible pad will fill the bill. 3" x 1".

Stock #	Description
AN180.00	Hockey Puck Pad

Piercer's Pleasure Saw Vise

Easier sawing and reduced hand fatigue with this vise for a standard bench slot or clamp to the table.

Stock #	Description
BP123.00	Right Handed

Bench Pin In Metal Holder

Screw this iron holder to benches that do not have a slot for bench pins. Reversible pin measures 5 1/4" x 2 1/4".

Stock #	Description
BP166	Bench Pin with Holder
BP161	Bench Pin Only

Bench Pin For Rings

A bench pin that screws to the top of the bench, shaped especially to hold rings. Has a channel slot for a sawblade.

Stock #	Size
BP13.303	5 1/2" x 1/2" x 3/8"

Anvil/Bench Pin Combo

Very versatile tool for filing, flattening, or laying out work. Anvil top is smoothly finished. Bench pin working area measures 4" long x 1 3/4" wide and is replaceable.

Stock #	Description
AN118	Anvil/Bench Pin
BP170	Replacement Pin

Wood Bench Pins

Fit into the front slot of the work bench and use as support when filing, sawing, setting, etc. BP161 may be used with the Benchmate GRS04-556 bench pin kit.

Stock #	Dimensions
BP161	5 1/4" x 2 1/4"
BP162	6 1/4" x 2 1/2"
BP163	7" x 2 1/2"

V-Slot Bench Pin with Clamp

Handy, inexpensive work pin that will clamp to any work surface up to 2" thick. The V-slot provides for convenient positioning of work.

Stock #	Description
BP174	Clamping Bench Pin
BP175	Replacement Pin

SmartVise

Made of heavy spring steel with leather lined jaws, this vise holds flat stock and other materials firmly for accurate sawing. The lever allows the user to change directions quickly and effortlessly. Fits onto bench with clamp, or can be permanently attached to table with screws.

Stock #	Description
VS100.00	SmartVise

Convenient Custom Assortments

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn't be simpler.

BG2802-05R

BG2802LE

Poising Tool

Poising tool with 15mm ruby jaws has an 18mm spirit level which is not fixed to the tool and can be placed on the jaws. The specially fitted case is sold separately. Swiss.

Stock #	Description
BG2802LN	Poising Tool without Notches
BG2802LE	Poising Tool with 3 Notched Jaws
BG2802A	Case for Tool BG2802LN & LE
BG30107	18mm Spirit Level Only
BG2802-05R	Deluxe Poising Tool

Balance Tack

Hold the bridge with the balance attached while putting in the beat, straightening kinks in the hairspring, undercutting screws, and changing timing washers.

Stock #
HS310

Platform Balance Holder

Graduated holes allow the balance and spring stud to be held. Metal 40mm, delrin 36mm.

Stock #	Description
BG30106	Metal
BG30106D	Delrin

Truing Calipers

These high-quality trueing calipers have a parallel opening and steel pivot protectors with slide. Upgraded design. Swiss.

Stock #	Model	Size
BG1884	Small Model	.12mm Holes
BG1883	Large Model	.15mm Holes

"Lyre" Shape Trueing Calipers

"Lyre" shaped calipers on a handle permit good visibility and room for adjustment. Both with .15mm holes and jeweled pivot protectors. Swiss.

Stock #	Description
BG30548	Best Quality, Machined Finish
BG5896	Standard Quality

Bergeon Balance Screw Holders

Stock #	Description
BG2566	Set of 3; .30, .40, .50mm
BG2565	Set of 8; .25 to .70mm
BG2567	Individual Holders

Stock #/mm dia.
BG2567/0.20
BG2567/0.25
BG2567/0.30
BG2567/0.35
BG2567/0.40
BG2567/0.45
BG2567/0.50
BG2567/0.55
BG2567/0.60
BG2567/0.65
BG2567/0.70
BG2567/0.80
BG2567/0.90
BG2567/1.00

"Platax" Roller & Staff Remover

Includes three staff removing punches (.10, .15, .20mm), one center punch, three heeled bushes of .90, 1.10, and 1.40mm, a wooden base and instructions. Swiss.

Stock #	Description
BG2677	Roller Remover

Levers for Balance Cock

Stock #	Description
BG5432A	Levers, 5mm, Blue
BG5432B	Levers, 9mm, Red

Round Tips of Balance Pivots

Tool for rounding the tips of pivots.

Stock #	Description
BG5482	Rod-shaped

Pivot Tool

Includes four jeweled punches, four counter punches, six drills, a reversible punch, and six drive out pins. Swiss.

Stock #	Description
BG6756	Pivot Tool

Balance Tools

Swiss Double-Pivot File & Burnisher

Stock #	Description
BG1891-G-3215	Left for Wrist Watches
BG1891-D-3216	Right for Wrist Watches

Swiss Double-Pivot File & Burnisher

Stock #	Description
FI1720	Left for Pocket Watches
FI1710	Right for Pocket Watches

Hairspring Collet Removers

Pair of levers for removing hairspring collets. 105mm long. All metal, except for BG5430 which has red plastic handles.

Stock #	Size of Tip
BG5430	1.8mm
BG30013	1.7mm
BG30014	2.5mm

Hairspring Collet Broaches

Set of three Bergeon broaches for hairspring collets. Sizes included are .40, .55, and .70mm. Swiss.

Stock #	Description
BG30016	Set of 3 Broaches

Chronograph Screw Shoulder Cutter

This screw shoulder cutter is made from hard-metal and has sixteen 4mm cutters ranging in size from .40mm - 1.3mm. Measure the screw diameter, match diameter to cutter hole size, and turn screw clockwise to remove shoulder. Swiss.

Stock #	Description
BG30615-03	Screw Cutter

Bergeon Vydiax Roller Remover

Several sizes of holes securely grip the roller, letting you turn the balance to release it from the staff. Swiss.

Stock #	Description
BG4852	Roller Remover

Roller Remover

Slip V-slot between hub of staff and seat of roller and exert slight pressure on the sides of the tool to lift the roller from the balance seat. Use on small and standard sizes. Swiss.

Stock #	Description
BG2810	Roller Remover

Collet Tightening Tool

Comes with five different notches for tightening all sizes of hairspring collets. Use also to hold while reaming. Swiss.

Stock #	Description
BG3007	Collet Tightener

Bergeon Collet Revolving Tool

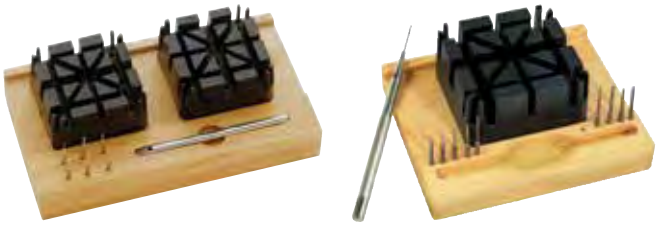
Revolve a collet without removing the balance spring. Swiss.

Stock #	Description
BG2325	Collet Tool

Watch Band Holding Blocks

Each block has eight slots to hold bands of various widths and spaces to eject pins.

Stock #	Description
Rigid gray blocks	
BG6744P	Bands 2.2-4mm Thick
BG6744P1	Heavy Bands 3.5-7mm
Soft yellow flexible blocks won't scratch gold bands	
BG6744PS	Bands 2.2-4mm Thick
BG6744P1S	Heavy 3.5-7mm



Block and Band Pin Holding Set

Wood base holds plastic band blocks, pins and a pin holding tool.

Stock #	Description
CO-510E	Economy Set, Two Holders, 6 Pins
CO-M510	Swiss Set, One Holder, 10 Pins

For individual replacement pins - see page 31.

Bergeon Watch Band Holder

Hold watchbands in this adjustable table while screwing or unscrewing link connections. For bands with threaded bars, a fixed screwdriver blade holds the opposite screw head. Swiss.

Stock #	Description
BG6670	Band Holder

Wood Bracelet Holder

Avoid scratching fine jewelry with this wooden bracelet holder.Features slits of various widths to handle any bracelet thickness. A hole in the middle of the holder provides an area to push out bracelet pins. Wooden bracelet holder measures $2^{5}/_{16}$" x $2^{5}/_{16}$" x $1^{1}/_{8}$".

Stock #	Description
HO113.00	Wood Bracelet Holder

Band Holding Vise

Small, non-marring plastic vise. Maximum jaw opening is 9mm. Measures 59mm x 37mm x 33mm.

Stock #	Description
HO-CTB052	Holding Vise

Watchband Holder and Pin Removal Set

Remove links and adjust watchbands that have friction pins holding links together. Set has a wooden band holding block, two band pin removal punches sizes, .80 and 1.00mm, and a hammer.

Stock #	Description
PI100.00	Watchband Pin Removal Set

Replacement parts for PI100.00

PI150.00	Set of 2 Punches, .80 and 1.00mm
PI200.00	Set of 3 Punches, .70, .80, and 1.00mm
PI200.70	Pin Removing Punch, .70mm
PI200.80	Pin Removing Punch, .80mm
PI201.00	Pin Removing Punch 1.00mm
PI200.07	Punch Tip, .70mm
PI200.08	Punch Tip, .80mm
PI200.10	Punch Tip, 1.00mm
HO114	Firm Light Gray Plastic Bracelet Holder
HA349	Small Ball Peen Hammer

Band Pin Removers

Back view of CO185.150

Multi-Purpose Press

Use this versatile tool with spring-loaded stakes to remove friction watch band pins, remove and replace watchband screws, and to fit watch hands. Storage is provided at the back for four hand-fitting tips and small vials of screw-driver tips and drive stakes. An insert centers optional movement holders. Sturdy base measures 100 x 100mm. Swiss.

Stock #	Description
CO185.150	Multifunction Press
CO185.150.01	Upper Tool Holder in Steel
CO185.150.02	Black Plastic Band Support
CO185.150DC	Red Tip for Fitting Hands
CO185.150D.050	Black Tip for Fitting Hands
CO185.150D.080	Blue Tip for Fitting Hands
CO185.150D.100	White Tip for Fitting Hands
CO185.150P.080	Tip for Removing Bracelet Pins
CO185.150P.100	Tip for Removing Bracelet Pins
CO185.150T.100	Flat Blade for Screws
CO185.150T.120	Flat Blade for Screws
CO185.150T.160	Flat Blade for Screws

Multi-Purpose Link and Band Pin Removers

Press pins using this compact holder and pin driver tool. Drive pin sizes .40, .60, .80, 1.00, 1.50 and 2.00 are stored in top holes. Band holding block includes eight slots for holding 2.50 to 5.00mm thick bands. CO-M500 includes all of the above, plus twelve screwdriver blades and holder.

Stock #	Description
CO-M499	Swiss Band Pin Tool
CO-M500	Swiss Band Pin Tool with Accessories

Economy Link and Band Pin Remover

Use this multi-tool to remove and replace friction fitted bracelet pins and bracelet screws. Also works for Gucci-type bracelet screws. Includes three pins, two screwdriver blades and a non-scratch plastic block to hold bracelets and watch bands.

Stock #	Description
RM290.00	Economy Band Pin Tool
RM290.06	3 Replacement Pins, 2 Blades

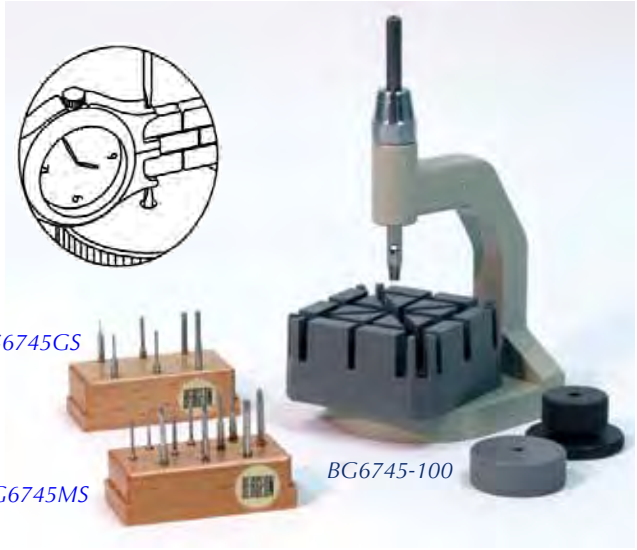
Pin Remover Set

Set contains five sizes of pin removers with stainless steel handles and elastomer grips. Each storage tube holds three extra-long pins from 0.7 to 1.20mm. Swiss.

Stock #	Description
BG6988	Pin Remover Set

Individual Pin Removers & Replacement Pins

Size	Remover #	Pin Only
.70mm	BG6988-0.70	BG6988G-0.70
.80mm	BG6988-0.80	BG6988G-0.80
.90mm	BG6988-0.90	BG6988G-0.90
1.00mm	BG6988-1.00	BG6988G-1.00
1.20mm	BG6988-1.20	BG6988G-1.20



Multi-Purpose Press for Band Pins and Link Screws

Bergeon multi-purpose press is the best for removing and installing friction band pins. It also screws and unscrews watchband link screws. Blades for band screws include regular slotted type .80, 1.00, 1.20, 1.50, and 2.00mm, and Phillips sizes 1.50, and 2.00mm. Wooden storage block included. Swiss.

Includes:

- Heavy duty metal base and frame
- BG6744P band holding block
- BG6745PGA holder for blades w/ turning thimble
- BG6745GS set of pins .40, .60, .80, 1.0, 1.5, 2.0mm
- BG6745MS set of 10 screwdriver blades
- BG6745-SR20 20mm Platform
- BG6745-SR28 28mm Platform

Stock #	Description
BG6745-100	Complete Press
BG6745MS	Set of 10 Screwdriver Blades
BG6745GS	Set of 6 Pusher Pins
BG6744P	Band Holding block
BG6745PGA	Holder for Blades with Knurled Thimble
BG6745-SR20	20mm Platform
BG6745-SR28	28mm Platform

Multi-Purpose Press for Band Pins

Stock #	Description
BG6745	Press with BG6475GS Pin Set

Set of Pin Pushers

Set of six pins .40, .60, .80, 1.00, 1.50, and 2.00mm diameter for removing friction pins. Stored in wooden block.

Stock #	Description
BG6745GS	Set of Pusher Pins

Pin Holder Tools

Stock #	Description
BG6744PG	Knurled Pin Holder Tool
BG6745PG	Pin Holder Tool

Multi-Purpose Press Individual Replacement Pins

Stock #	Size
BG6745G/0.40	.40mm
BG6745G/0.60	.60mm
BG6745G/0.80	.80mm
BG6745G/1.00	1.00mm
BG6745G/1.50	1.50mm
BG6745G/2.00	2.00mm

Pivot Resetter & Case Pin Driver

Place in vise to drill pivots to the correct diameter. Remove case pins from hinges of pocket watches. Includes four jeweled punches, four counter punches, six drills, a reversible punch, and six drive out pins. Swiss.

Stock #	Description
BG6756	Pivot Tool

Band Pin Removers

Seiko Multiple Band Sizing Tool

Use to size many types of bracelets, including the C-ring type which requires more time to adjust. Instructions included. Replacement pins sold in sets only.

Stock #	Description
CO-S926	Complete Band Sizing Unit
CO-S926/A	Set of 3 Removing Bits, 45, 60 and 80mm
CO-S926/B	Set of 3 Support Bits, Plain and Scribed
CO-S926/C	Set of 4 Screwdriver and Push Pin Bits

Bergeon Watch Band Pin Remover

Heavy duty metal tool with a spring head to remove friction pins from watch bracelets. 80mm tip.

Stock #	Description
BG6156	Pin Remover
BG6156D	Replacement Pin

Bergeon Watch Band Pin Installer & Remover

Parallel scissor action pushes out and drives in bracelet and case friction pins.

Stock #	Description
BG6578	Band Pin Tool

Replacement Parts

BG6578E	Nylon Stake - Rectangular
BG6578H	Nylon Stake - Round
BG6578F	Lower Threaded Pin, .80mm
BG6578G/0.70	Upper Pin, .70mm
BG6578G/0.90	Upper Pin, .90mm
BG6578G/1.15	Upper Pin, 1.15mm

Gucci-type Screw Removing Tool

Remove and replace bands from Gucci and other watches with screw lugs. Blades recessed in high-impact nylon cannot scratch. The body is made of Keltec II glass-filled nylon. Includes two extra blades. Swiss.

Stock #	Description
HO119.00	Screw Remover

Link Pin Remover

Black Keltec 11 glass-filled plastic will not scratch gold or silver. Pusher pin is hardened .80mm tool steel. Includes two extra spacers to accommodate all bracelet sizes.

Stock #	Description
HO118.00	Pin Remover
HO118.01	4mm Replacement Pins
HO118.02	7mm Replacement Pins

Pin Punch Set

Drive out watchband pins, broken screws and rivets. Use the adjustable 83mm brass holder to prevent damage from hammering. Hardened steel with flat tips from .51mm to 1.3mm can be ground to make other sizes. 41mm long, 2.35mm shank.

Stock #	Description
PN47.890	Set of 20 Punches

Borel® Watch Band Pin Remover

Lay the watch band across the center of the tool and align the pressing pin with the watch band pin. The height of the band can be adjusted to match the pressing pin. Features a slot for holding watch bands vertically to remove the press pins.

Stock #	Description
PI400	Pin Remover
PI400/1	Replacement Pin

Economy Bracelet Pin Pliers

Install and remove bracelet band pins quickly and easily.

Stock #	Description
PL46001	Bracelet Sizing Plier
PL46001/1	Replacement Punch with Tip, 1mm
PL46001/2	Set of 5, Replacement Pins, 1mm
PL46001/3	Replacement Spring for PL46001
PL46001/4	Set of 5, Replacement Pin, 0.8mm
PL46001/5	Replacement Punch with Pin, .80mm

Pin Pusher

American hardwood handle and tempered tool steel point. Fits the hand perfectly.

Stock #	Description
PI230.00	4¾″ Long

Pin Removing and Installing Plier

Use this quality Bergeon plier to remove and install all types of metal bands. Swiss.

Stock #	Description
BG6819	Band Pin Tool
BG6819G/.75	Replacement Pin only, Yellow, .75mm
BG6819G/.85	Replacement Pin only, White, .85mm

Bracelet Pin Plier

Band pin removing tool set includes six replaceable .80mm pins, held in place with a set screw. Swiss.

Stock #	Description
PLB9005	Bracelet Pin Plier
PLB9005/1	Replacement Pin, .80mm
PLB9005/2	Replacement Punch Holder and Pin

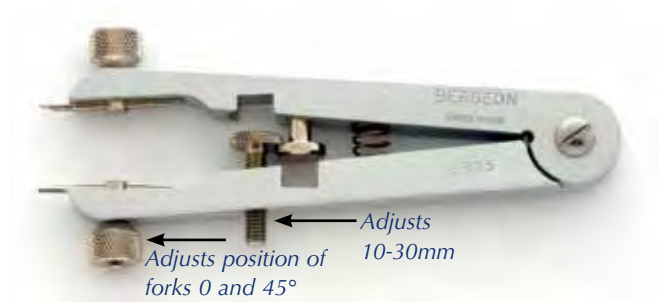
Pin Pusher with Long Taper

Push out stubborn pins from watch bracelets when changing the links for sizing. Features hardened tool steel and hardwood handle. Hold the shaped handle like a pencil for greater control. The slightly flat tip helps reduce slipping.

Stock #	Description
PI59.300	4¾″ Long

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Spring Bar Tools



Bergeon Watch Band Pin Removal Kit

Install both ends of the watch band at the same time using this tool. Diameter 1.65mm; inside diameter 1.3mm; tip diameter .38mm. Swiss.

Stock #	Description
BG6825	Tool Complete
BG6825F	Replacement Fork

Watch Band Shear

Use this high quality shear to cut mesh watch bands at right angles without fraying. Includes a cylindrical tempered steel blade and a 90° cutting head. Mount on a workbench using the holes in each corner of the base.

Stock #	Description
SH200.00	Watch Band Shear
SH200.05	Replacement Cutter Blade

Spring Bar Case Lug Gauge

Measure watch lug widths and band ends from 6 to 34mm. Stainless steel.

Stock #
GA-M007

Spring Bar Curving Gun

Maintain a smaller supply of spring bars by stocking straight bars and curving them as needed.

Stock #	Description
PL845.00	Curving Plier with Nylon Jaws

Spring Bar & Case Lug Gauge

Measure the space between case lugs when selecting a watch band or spring bar. Metal gauge reads in inches and millimeters, 8 to 22mm. Swiss.

Stock #	Description
BG4085	Bergeon Gauge

Bergeon Watch Strap Notching Tool

Use this quality tool to notch and to punch different sizes and shapes of half-round and rectangular holes. Includes wooden storage base.

Stock #	Description
BG6620	Swiss Band Notcher

BG6111D

BG6111E

Elite Swiss Metal Spring Bar Tool

This metal tool for removing spring bars has two replaceable ends. One end has a large fork piece, while the other end is double-sided with a small fork or a straight pin. 5 3/8" long. Swiss.

Stock #	Description
BG6111	Spring Bar Tool
BG6111D	Reversible Point/Fork Tip
BG6111E	Large Flat Forked Tip

Bergeon Swiss Spring Bar Tool

Stock #	Description
BG3153	Swiss, 5 5/8" Long
BG3153A	Screw-on Forked Tip
BG3153B	Screw-on Pointed Tip

Economy Spring Bar Tool

To change spring bars, use this economical tool with tempered tips that are interchangeable with the more costly Swiss model. The tool features a millimeter and inch scale on the handle. 5" long.

Stock #	Description
RM420	Spring Bar Tool

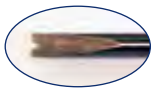
Replacement Tips

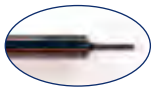
Stock #	Description
RM421/2	Round Tip
RM421/1	Forked Tip

All-metal economical spring bar tool with metal tips. Made in Asia.

Stock #	Description
RM200.00	Spring Bar Tool
RM200.10	Forked Tip Only, 1.8mm
RM200.05	Pointed Tip Only, 0.8mm, Tapered

Available with regular or thin fork





Swiss Metal Spring Bar Tools from Bergeon

Metal body holds the replaceable, tempered steel screw-on tips securely. One end is a fork shape and the other is a point. 5 5/8" long. Swiss

Stock #	Description
BG6767S	Tool with Regular Size Fork
BG6767A	Forked Tip Only (3mm)
BG6767B	Pointed Tip Only (.8mm)
BG6767F	Tool with Small Fork Tip
BG6767AF	Forked Tip Only (1.2mm)
BG6767BF	Pointed Tip Only (.8mm)

Citizen Spring Bar Tool

Tool with both pointed and curved-claw end has a measuring scale up to 30mm for determining spring bar lengths. Screw-0n tips, 4 1/2" long.

Stock #	Description
RM-CTA73A	Complete Tool
RM-CTA73AF	Fork End, Tip Only
RM-CTA73AP	Pin End, Tip Only

Japanese Spring Bar Tool

Anodized aluminum with hardened tool steel tip in a unique shape. Tips held with a set screw. 5" long.

Stock #	Description
RM205.00	Spring Bar Tool
RM205.01	Double Ended Replacement Tip

Expansion Band Holder

Allows easier adjustment of expansion bands. Base grooves accommodate link flaps.

Stock #
HO116

Battery Testing

Battery Tester and Analyzer

Test batteries and analyze quartz movements without removing them from the case using this dual function instrument. Test results are indicated with lights and audio signals. Includes a 9-volt battery. With the purchase of 60 batteries, you can receive the W3000 at a discounted price. See stock number W3000/.60

Stock #	Description
W3000	Battery Tester/Analyzer
W3000/60	Tester with 60 Assorted Batteries

Energizer Miniature Battery Tester

Use this modern-style tester to test high and low drain silver-oxide, mercury, or lithium batteries.

Stock #
EWB1

Improved Watch Analyzer

Check batteries, step-motor and coils using this improved tester.

Stock #
TS200.00

Renata Battery Tester

Test for analog quartz mechanical defects and battery voltage. Check watch before opening. Tests high and low drain silver oxide batteries, mercury, alkaline and 3-volt lithium CR and BR batteries. Swiss.

Stock #	Description
TS-BWT94	Battery Tester

Recharger for Seiko Kinetics

Accelerate the charging of run-down Seiko Kinetic watch models 1M, 3M, 4M, 5M, 5J, 7L, and 9T. Set to charge in 30 minutes to 3½ hours. About 6" x 6".

- Charge up watches for sale
- Quickly charge customer's watches
- Resell to Kinetic customers who do not wear the watch often enough to keep it charged

Stock #	Description
TS-SKENETIC	Recharger

Basic Tool Kits

Black leatherette zipper case holds 30 tools for general purpose watch repairing. Jeweler's tool kit in carrier holds the basics for jewelry making and repair. Ideal for traveling and students.

Stock #	Description
TK102W	Watch Tool Kit
TK101J	Jeweler's Tool Kit

Seiko Digital Multi-Tester

Checks and measures voltage, resistance (ohms) and consumption (amps). The Auto-Range function simplifies testing. LCD display. Includes standard positive and negative probes. Optional micro leads available separately for testing the circuit block outside the watch.

Stock #	Description
TS-S860	Seiko Multi-Tester with Standard Leads
TS-S842	Optional Micro Leads

Transparent Rods

Transparent plastic stick can be sharpened without flaking. 5 7/8" long.

Stock #	Description
BG5206/3MM	3mm
BG5206/4MM	4mm
BG5206/5MM	5mm

Bergeon Chamois Hand Buffs

Use for polishing, cleaning and finishing metals and stones. Also used to protect the coil when changing a battery, and pressing the battery into its compartment. Swiss.

Stock #	Size
BG1282D	1/4" - 6mm

Plastic Fine-Tipped Tweezers

Use these small plastic tweezers with sharp tips to remove watch batteries.

Stock #	Description
TW800.455	Plastic Tweezers

Plastic Tweezers

Strong, lightweight tweezers are perfect for handling watch batteries. 4 5/8" long.

Stock #	Description
TW799.00	Plastic Tweezers

Deluxe Basic Battery Changing Tool Kit

Conveniently store battery changing tools in a leather case. Includes the following:

- .80 and 1.00mm screwdrivers
- 1.20mm Phillips screwdrivers
- Battery saver contact cleaner
- Spring bar tool
- JBorel 5" x 5" cleaning cloth
- Pocket screwback case wrench and case knife
- Leatherette zipper case

Stock #	Description
BAT515	Tool Kit in Zippered Case

Battery Saver Compartment Cleaner

Remove foreign particles from the battery compartment by touching the wet tip to the particle. Inhibits and removes oxidization from battery contact surfaces. Helps obtain maximum power flow for most batteries. Not intended for use on zinc air batteries.

Stock #	Description
TS600	Battery Saver

Watchmaker's Pick

Position batteries and watch parts without marring. BG6436 is made of polystyrene, with one flat and one pointed end. 135mm long with 4mm diameter. BG7010 is made of improved, very resistant polyamide. One pointed end, .018mm, and one flat end, 4mm. 150mm long and 5mm diameter.

Stock #	Description
BG6436	Red
BG7010	Black

Beading Tools

Use to form beads to hold stones in settings or to tighten stones. Plastic case organizes and protects.

Stock #	Description
BD53.160	Set of 23 with Handle
BD53.16001	Set of 12 with Handle

Stock #	Size	mm
BD53.161	0	.25
BD53.162	1	.30
BD53.163	2	.35
BD53.164	3	.40
BD53.165	4	.45
BD53.166	5	.50
BD53.167	6	.55
BD53.168	7	.60
BD53.169	8	.65
BD53.170	9	.70
BD53.171	10	.75
BD53.172	11	.80
BD53.173	12	.85
BD53.174	13	.90
BD53.175	14	.95
BD53.176	15	1.00
BD53.177	16	1.05
BD53.178	17	1.10
BD53.179	18	1.15
BD53.180	19	1.20
BD53.181	20	1.25
BD53.182	21	1.30
BD53.183	22	1.35

Tool Holder

Chuck style tool holder can be used with beading and milgrain tools, gravers and small needle files. The hardwood handle is shaped for comfortable use. Comes with two chucks for a range of 0-3mm. 3 1/4" long.

Stock #	Description
GH165	Tool Holder

Beading Tool Plate

Deluxe beading tool plate features a brass body with twelve sunken steel bead inserts that are perfectly formed for reshaping the ends of beading tools.

Stock #	Description
BD151	Beading Tool Plate

Large Beading Tool Plate

High-quality, Swiss beading tool plate for reshaping the ends of standard size beading tools. Hardened steel. 60 x 28 x 15mm.

Stock #	Description
BD153	40 Holes, .60-1.75
BG6641	48 Holes, .40-1.00

Milgrain Tool Set

These premium milgrain tools are used for forming decorative edges on settings and bezels. Available individually in sizes 1-15. Set of six sizes: 2, 4, 6, 8, 10, and 12, with a quality chuck style tool holder.

Stock #	Description
MG210	Set of 6 and Handle

Individual Tools

Stock #	Size
MG211/1	1
MG211/2*	2
MG211/3	3
MG211/4*	4
MG211/5	5
MG211/6*	6
MG211/7	7
MG211/8*	8
MG211/9	9
MG211/10*	10
MG211/11	11
MG211/12*	12
MG211/13	13
MG211/14	14
MG211/15	15

** Items included in set*

Custom Assortments are Convenient

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn't be simpler.

Beading Boards

Quality gray flocked bead boards help you design and string beads and pearls. Marked in 1/2 inch increments.

Multi-Strand Design Board

Holds up to five strands at once, up to 42" long. Features two compartments and six center grooves for organizing beads. 21 1/8" x 10 1/2".

Stock #	Description
CD105.42	Multi-Strand Bead Board

Small Gray Flocked Board

Allows you to lay out necklaces up to 28" long. Features five compartments to hold extra beads. 13 1/4" x 9".

Stock #	Description
CD100.28	Small Bead Board

4-Row Gray Flocked Board

Made for designing multi-strand necklaces up to 20" long. Six compartments. 21 1/4" x 8".

Stock #	Description
CD104.20	Straight Board

Bead Stringing Kit with Tri-Cord Knotter

Includes: Knotter-CD1910, one spool of size E white silk thread, glue, thread snips, chain nose pliers, "Professional Bead Stringing" Video-VT1513, gold-filled and sterling silver french wire, 30 stainless steel needles (10 each small, medium and large) and 40 bead tips (20 each silver and gold-plated). Sturdy case, with a detachable lid that doubles as bead board.

Stock #	Description
CD1900	Bead Stringing Kit
VT1513	Video Only

Original Tri-Cord™ Knotter

Use the tri-cord knotter instead of an awl and tweezers when stringing pearls and beads. Knot faster and better.

Stock #	Description
CD1910	Tri-Cord Knotter

Two-sided Spacing Gauge

Use to determine the exact spacing between beads when knotting or crimping. Stainless steel with permanently embossed lines, shows inches and millimeters. 4 3/4" long.

Stock #	Description
GA180	Spacing Gauge

Steel Beading Needles

Flexible twisted steel needles are 2 1/2" long. 25 pieces per pack. Assorted pack has 75 needles, 25 of each size.

Stock #	Thickness
CD2108	Fine, .20mm
CD2110	Medium, .25mm
CD2112	Heavy, .30mm
CD2113	75 Assorted Needles

Brass Beading Needles

2 3/4" - 3 1/4" long flexible twisted brass needles. 25 pieces per pack Assorted pack has 75 needles, 25 of each size.

Stock #	Thickness
CD2306	Fine, .30mm
CD2308	Medium, .40mm
CD2310	Heavy, .50mm
CD2311	75 Assorted Needles

Solid Beading Needles

English-made, solid steel, 1 3/4" - 2 1/4" long needles. 25 pieces per pack. Assorted pack has 100 needles, 25 of each size.

Stock #	Thickness
CD2015	#15 Extra Fine, .25mm
CD2013	#13 Fine, .30mm
CD2012	#12 Medium, .35mm
CD2010	#10 Heavy, .45mm
CD2016	100 Assorted Needles

Long Beading Needles

German-made, flexible twisted steel 3 1/2" - 4" needle by Griffin. 25 pieces per pack. Assorted pack has 75 needles, 25 of each size.

Stock #	Thickness
CD2200	Fine, .20mm
CD2201	Medium, .35mm
CD2202	Heavy, .45mm
CD2203	75 Assorted Needles

Micro Snips

Perfect for bead stringing and thread snipping. 3 1/2" long. Reflex action makes light work fast and easy.

Stock #	Description
SH210.00	Micro Snips

Squizzors

Cut cleanly and smoothly with the more acute shearing angle of these squeezable scissors. Surgical-grade stainless steel. Blades are 5/8" and slightly rounded for safety. Suitable for left or right hands.

Stock #	Description
SH520.00	Squizzors

Wire Rounder

Use this tool to debur the end of a wire. The 1.8mm cup bur does the job with a couple of twists of the hard-wood handle.

Stock #	Description
BR261.80	1.8mm Wire Rounder

Bead Cord Shear

Designed to cut cord and very soft wire only, tempered steel blades cut closely and completely flush in all beading situations. They have a return spring and cushion grips. Made of tempered steel, will last for years if used properly.

Stock #	Description
SH170.00	Bead Cord Shear

Precision Scissors

Very small blades and large sculpted plastic handles make these perfect for beading and other precision work. High-quality stainless steel blades are held with a stainless steel rivet and nylon washer for smooth cutting and an extended life.

Stock #	Length	Blade length
SH101.00	3 5/8"	3/4"

Beading and utility tweezers are shown in the Tweezers section.

Reaming Point

45° Edging Point

Wood Handle Bead Reamer Set

Set of two bead reamers. One bead reamer is long and sharp for reaming bead holes and the other has a 45° edging point for rounding the inside of the beads so they do not cut through bead cord.

Stock #	Description
BR270.01	2-Piece Bead Reamer Set
BR261.05	Reaming Point with Hardwood Handle
BR271.50	45° Edging Point with Hardwood Handle

Deluxe Diamond Bead Reamer Set

Reamer has three diamond tips: large, small, and a 45° edger, all stored in the hollow handle. Easy-release chuck. Three pieces.

Stock #	Description
BR274.00	Reamer Set with Comfort Handle, 3 Pieces
BR275.00	Reamer Set, 3 Pieces
BR275.01	Tip Set, 3 Pieces
BR275.55	Large Diamond Reamer
BR275.05	Small Diamond Reamer
BR275.50	45° Diamond Edging Point

Traditional Bead Stringing Awl

Traditional beading awl made of stainless steel with fine tapered point. 6" long.

Stock #	Description
CD400.30	Bead Awl

Beading Awl

Handy awl with comfortable PVC handle. Stainless steel with a fine point that is great for knotting and unknotting.

Stock #	Description
CD400.35	Bead Awl

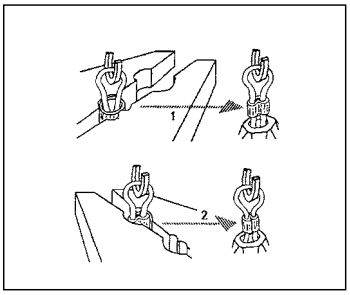
PL585.00

PL586.00

Bead Crimping Pliers

Form a smooth, unobtrusive crimp using these low-cost pliers and quality crimping beads. Banishes the unsightly sharp-edged crimp formed by conventional methods. The finished crimp can be hidden in a clam-type bead tip or slipped into a large-hole bead. Works well with round or tube crimps. The microcrimper makes smaller crimps. Both crimping pliers are 5 1/8" long.

Stock #	Description
PL585.00	Regular Crimping Pliers
PL586.00	Micro Crimping Pliers



Secure the two strands of wire in the crimping station, preferably with one wire on each side. Squeeze the pliers firmly.

Place the crimping bead into the rounding station sideways. Squeeze to form a smooth, rounded crimp.

Crimping Pieces

Finish off ends of beaded jewelry pieces or use to hold spacing along beading wire.

Stock #	Metal	Size/mm
784-42	Sterling	2 x 2
784-44	Sterling	2 x 2.5
782-42	YGF	2 x 2
782-44	YGF	2 x 2.5
78M-42	Copper	2 x 2

Stock #	Metal	Size/mm
785-42	SP	2 x 2
786-42	YP	2 x 2

Beading Wire & Tools

Soft Flex™ Beading Wire

Soft Flex beading wire is soft, flexible, and very strong. It drapes like thread instead of looking like wire or fishing line. A special nylon coating protects the fine steel and adds comfort. The "all-purpose" .019" diameter is perfect for a variety of uses and materials. Use the .014" diameter for pearls and seed beads and .024" for heavy duty multi-strand designs. Beads easily string on Soft Flex and no needle is required. Crimp beads or knot ends to finish. Colors are available in .019" size on 30 foot spools: Black, White, Red, Pink, Yellow, Green, Dark Blue, Turquoise, Purple, Bone, Butterscotch, Bronze, Antique Brass and Copper.

30 foot spools

Stock #	Size	Color	Strands Wire
405-750	.014″	Clear	21
405-751	.019″	Clear	49
405-752	.024″	Clear	49

100 foot spools

Stock #	Size	Color	Strands Wire
405-750/C	.014″	Clear	21
405-751/C	.019″	Clear	49
405-752/C	.024″	Clear	49

Perfect End Thread Burner

The hot tip cuts and cauterizes at the touch of a button to prevent fraying in synthetic threads. Includes one AA battery.

Stock #	Description
CD510.00	Thread Burner
CD500.01	Replacement Tip

Split Ring Tweezers

Open small and medium-sized split rings easily with these special tweezers.

Stock #	Description
TW608.00	Split Ring Tweezers

Micro Cable

Super tough, unbreakable stainless steel, clear nylon-coated wire with seven strands is also known as tigertail. The .012 size has three strands.

Stock #	Thickness
CD703.12	30 Feet .012, Fine
CD703.18	30 Feet .018, Medium
CD703.22	30 Feet .022, Heavy
CD710.12	100 Feet .012, Fine
CD710.18	100 Feet .018, Medium
CD710.22	100 Feet .022, Heavy

Wood Holder for Beads

Use this wood holder with a delicate touch for beads. Will not scratch beads while holding them securely when cleaning or reaming holes. Measures 6 3/4" long.

Stock #	Description
HO177.00	Wood Holder for Beads

Griffin High Performance White Bead Cord

This bead cord is very strong and stable, yet soft. It will not stretch or break. Two meters with needle. Available in sizes 0-8 and 10; substitute size number for 0 to order other sizes.

Stock #	Size
400-0HP	0

Pearl and Bead Stringing

Learn how to create genuine, precious and semi-precious jewelry, or restring pearls and beads quickly and easily. Includes various beading techniques like finger knotting and the correct use of tools. Written by Henrietta Virchick. 78 Pages.

Stock #
BK1453

"Easy Out" Bead Box

Boxes with secure slide lids have a rounded edge at the front bottom edge of each compartment for easy retrieval of beads, stones or findings. Excellent for small items.

24 Compartment Tray: 7 3/4" x 5"
Section size: 1 1/8" x 1 3/16" x 5/8" deep

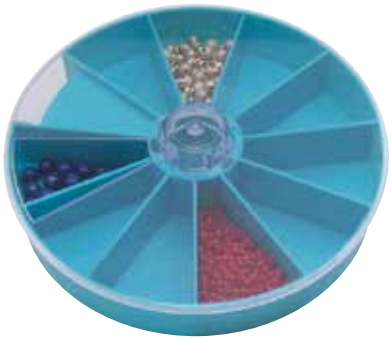
18 Compartment Tray: 10 1/2" x 6 3/4"
Section size: 2" x 1 5/8" x 1 1/2" deep

Stock #	Description
BX314.00	Small Tray, 24 Sections
BX315.00	Large Tray, 18 Sections

Stackable Round Boxes

Containers have threaded edges to screw together into a space-saving stack. Clear plastic.

Stock #	Trays	Diameter
BX105	5	2"
BX107	7	1 1/4"



Large Round Sorter Tray

This round, stackable tray with ten 1" deep compartments has a rotating lid to allow access to one compartment at a time. Keep small parts in sight, yet secure. 6 1/8" diameter, 5/8" deep.

Stock #	Description
BX177	Large Rotating Tray

Extra Deep Round Sorter Tray

This extra-deep, round 12-compartment tray has a rotating lid which allows access to one compartment at a time. Useful for beads and small parts. 5/8" deep, 3 1/4" diameter.

Stock #	Description
BX181	Rotating Tray

Henrietta's Gum Arabic

Water-soluble glue used to seal knots and stiffen thread for stringing without needles. Plastic jar.

Stock #	Description
CE115	Gum Arabic

Bead Scoop

Designed for sorting beads, large end is flat for scooping and the small end allows pouring or dispensing beads one at a time. Nickel-plated brass, 6" x 2 1/2".

Stock #	Description
DI260.00	Bead Scoop

Beeswax

Useful for picking up small stones, transferring patterns or waxing bead cord and thread. The natural beeswax comes in a convenient one ounce push-up tube.

Stock #	Description
EN100.00	Natural Beeswax
EN26.100	Synthetic Beeswax

Plated French Wire

Protect bead thread and give an elegant look next to beaded jewelry clasps. Silver-plated or gold-plated, 12"-18" approximate length.

Stock #	Diameter	Color
405-60	.90mm	White
406-60	.90mm	Yellow
405-61	1.00mm	White
406-61	1.00mm	Yellow

Electronic Ergonomic Workbench

These top-of-the-line watchmaker's benches feature finely crafted and finished beech wood, very sturdy construction and solid wood tops that adjust up and down hydraulically with the push of a button.

- Top measures 58" x 26"
- Height adjusts 37½" - 47¼"
- Bench-top corner shelves
- Adjustable armrests
- Pull-out center bread board
- Locking drawers on both sides
- Holes for wiring and lamp mount
- Lamp mount for Waldmann lamp
- Swiss vise mount, left & right side
- Maximum load 220 lbs.
- Total weight net 297 lbs.
- Crated shipping weight 473 lbs.
- Shipped by freight only

Stock #	Description
BN1450/E	Ergonomic Bench Electric Lift

Adjust the armrests and raise or lower the entire top surface to maximize your comfort. Shown lowered.

Bergeon Removable Precision Vise

Utilizes a reliable clamping device with its operating lever on the side of the vise. Absolutely smooth, parallel 45mm jaws. Fits vise mounting plates installed on right and left side of the bench top, allowing for quick removal.

Stock #	Description
BG2021	Vise
BG2021A	Vise Plate Only

BN1450/E Push button to raise and lower the electronic bench top.

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

German-Made Ergonomic Benches

The first ergonomic bench to hit the market, these watchmaker's benches have the same features as the electronic bench except the tops adjust up and down with the turn of a crank.

- Top measures 58" x 26"
- Height adjusts 37 1/2" - 47 1/4"
- Bench-top corner shelves
- Adjustable arm-rests
- Pull-out bread board
- Locking drawers on both sides
- Holes for wiring and lamp mount
- Lamp mount for Waldeman lamp
- Swiss vise mount, left & right side
- Maximum load 220 lbs.
- Total weight net 297 lbs.
- Crated shipping weight 473 lbs.

Stock #	Description
BN1450/S	Ergonomic Bench with Crank

Turn the crank to raise and lower bench top. Shown raised.

German Waldmann Bench Light

This quality German task light fits into the tube mounted on the bench. Lamp reaches 35". Louvers direct the light for glare-free lighting from a 36W full spectrum bulb.

Stock #	Description
LM90136	Waldmann Lamp

German Vacuum/Pressure Arm

This handpiece holding arm is designed to fit seamlessly into the Ergonomic bench. This arm holds both pressure and vacuum handpieces. Order separately.

Stock #	Description
BN1453	Vacuum/Pressure Mount

Ergonomic Watchmaker's Bench

Oak Single Bank Workbench

Borel EXCLUSIVE USA Made

U.S.A. Made Watchmakers' Benches with Adjustable Armrests

We took our best-selling watchmakers' bench design and converted the armrests to be adjustable. In addition to the features on the stationary armrest benches, these benches include the following:

- Armrests can be adjusted from level to slanted
- Single bank has nine drawers and one cloth catch tray.
- Double bank has eighteen drawers plus cloth tray.
- A pull out breadboard is located above each bank of drawers.
- A pre-drilled hole allows for instant installation of a Waldmann or Dazor Lamp.
- A predrilled hole is also provided for the VOH Vacuum/Pressure arm shown below.

Maple Double Bank Workbench

Borel EXCLUSIVE USA Made

Stock #	Wood	Width	Depth	Height	Weight
Single Bank Bench with Adjustable Armrests					
BN101/OAK	Oak Single	47.5″	26″	40″	200 lbs.
BN101/MAPLE	Maple Single	47.5″	26″	40″	185 lbs.
Double Bank Bench with Adjustable Armrests					
BN102/OAK	Oak Double	61.5″	26″	40″	275 lbs.
BN102/MAPLE	Maple Double	61.5″	26″	40″	275 lbs.

Options Available for all USA Benches:

- Slot for Swiss watchmaker's Bergeon Vise BG2021
- Locking bank of drawers
- Drawers on left instead of right
- Walnut or mahogany wood

U.S.A. Made Watchmakers' Benches

Built to be beautiful and sturdy, these solid oak or maple wood workbenches are made in California by expert cabinet makers, for watchmakers who do quality work and demand quality tools.

The single bank workbench includes 10 drawers and a cloth catch tray. All workbench tops are made of thick solid wood butcher block with a groove cut along the front for trapping parts. The bench has Swiss-style armrests and is designed to help take the stress off your shoulders and help you work more efficiently.

Both styles have an extra-high border around the sides and back to keep small parts from rolling off your bench. The top is thick butcher block.

Features:

- Fixed armrests
- A pull-out breadboard is located above each bank of drawers.
- A pre-drilled hole allows for instant installation of a Waldmann or Dazor Lamp.
- A predrilled hole is also provided for the VOH Vacuum/Pressure arm shown below.
- Build a bench to your preferred measurements.
- Benches are shipped fully assembled.

Jborel EXCLUSIVE USA Made

BN006

Jborel EXCLUSIVE USA Made

BN009

Close-up showing mounting for lamp and VOH arm set into hole.

VOH Vacuum/Pressure Arm

The VOH Vacuum/pressure arm fits the new bench using a predrilled 40mm hole. Includes aluminum pressure handpiece and vacuum handpiece with soft white brush tip.

Stock #	Description
BN1452	Vacuum Dust Extractor

Stock #	Wood	Width	Depth	Height	Weight
Single Bank Bench with Fixed Armrests					
BN006	Oak	47.5″	26″	38″	200 lbs.
BN008	Maple	47.5″	26″	38″	200 lbs
Double Bank Bench with Fixed Armrests					
BN007	Oak	61.5″	26″	38″	250 lbs.
BN009	Maple	61.5″	26″	38″	240 lbs.
Bench Options					
BN013.005	Pull-out Breadboard Above Drawers				
BN013.006	Drawer Locks Assembly				
BN013.007	Vise Cut-out				

Deluxe Benches

Watchmakers' Traditional Workbench

Expertly-made benches feature several vertical drawers, two wide pull-out drawers and a cloth catch tray. All workbench tops are solid wood butcher block.

The standard bench offers a traditional straight front with a groove cut for trapping parts. The benches with arm-rests are patterned after Swiss-made benches designed to help take the stress off your shoulders and help you work more efficiently.

Watchmaker's benches have an extra-high border around the sides and back to keep small parts from rolling off your bench. Made in the USA.

Options available:

- Cutout for Bergeon watchmaker's vise #BG2021
- Pull-out layout board beneath bench top
- Locking bank of drawers
- Choice of color and finish
- Custom butcher block tops
- Walnut or mahogany wood

BN002

Stock #	Wood	Width	Depth	Height	Weight
BN002	Oak	49″	26″	38″	185 lbs
BN004	Maple	49″	26″	38″	175 lbs.

Jewelers' Standard Workbench

Sturdy, well-designed bench has wide, comfortable arm rests, a built in bench pin slot, mandrel holders and a tool holding shelf above the metal catch tray. Easy to assemble. Weighs 97 pounds and measures 39" H x 39 1/2" W x 19 1/4" D. Made in U.S.A.

Stock #	Description
BN60B	Jewelers' Workbench with Back Support Brace

Watchmakers' Standard Workbench

Finished in natural woods, this bench features 15 drawers of various sizes and a canvas catch tray. A safety groove and raised sides prevents parts and tools from rolling off. Shipping weight 126 pounds. Shipped in two cartons, partially unassembled. Measures 39" H x 39" W x 20 1/2" D. Made in the USA.

Stock #	Description
BN225	Watchmakers' Workbench

Jewelers' Custom Workbenches

The design for these workbenches has been refined through years of development to produce a workbench of exceptional function and beauty. Built to be beautiful and sturdy, these workbenches are made in California by expert cabinet makers, for jewelers who make quality jewelry and demand quality tools.

Each bench includes a steel-lined catch tray, butcher-block top, locking drawer, integral bur tray, two concealed security drawers and six tool drawers. It also has a bench pin with anvil, a pull-out tool tray and two arm rests. Solid oak or maple wood. Made in the USA.

Options available:

- GRS Benchmate mounted in place of bench pin
- Pull-out layout board above locking drawer
- Pull-out layout board beneath bench pin
- Drawers on left instead of right
- Locking bank of drawers
- Custom butcher block tops
- Walnut or mahogany wood available

Oak

Jewelers' Custom Workbench

Design your workbench around your own specific needs.

Stock #	Wood	Width	Depth	Height	Weight
BN000	Oak	49″	26″	38″	175 lbs.
BN001	Maple	49″	26″	38″	165 lbs.

Maple

Jewelers' Custom Double Bank Workbench

A larger work area with twice the storage space and drawers as the bench above. Choose from maple or oak wood.

Stock #	Wood	Width	Depth	Height	Weight
BN010	Oak	62″	26″	38″	250 lbs.
BN015	Maple	62″	26″	38″	235 lbs.

Detail of locking drawer, layout board, catch pan, and bur tray.

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Bench Mats

Bench Mat

Non-adhesvie, no-bounce, economical mat.

Stock #	Description	Size
BN2710	Light Green Mat	9⅞ x 13¾″

Anti-static Bench Mats

Anti-static mats. Available in white or black.

Stock #	Description	Size
BN2711	White Anti-static	11 x 13⅞″

Bergeon Bench Mats

Keep parts from bouncing and rolling with this rubberized mat from Switzerland. Stain-resistant and washable with self-adhesive backing. Swiss.

Stock #	Description	Size
BG2746	Green Mat	10″ x 14″
BG2746D	White Mat	10″ x 14″

BG5965E

BG5965D

Ridged Tool Mats

Self-adhesive ridged mat prevents tools from rolling.

Stock #	Description	Size
BG5965D	Ridged Mat	12″ x 7″
BG5965E	Ridged Mat	6″ x 4″

Bench Plate

Enameled fiber board bench plate has grooves on all four sides to catch parts. Will not warp.

Stock #	Description	Size
BN183	Bench Plate	9″ x 16″

News you can use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

Shelfmate Off-the-Bench Tool Holder

Raise toolbench clutter off your primary workspace with this tool-organizing hutch which includes shelves and holders for burs, files, gauges, pliers, and more. Easy assembly, instructions included. 35" L x 7" D x 17" H.

Stock #	Description
BN220.00	Bench Tool Holder

Portable Bench

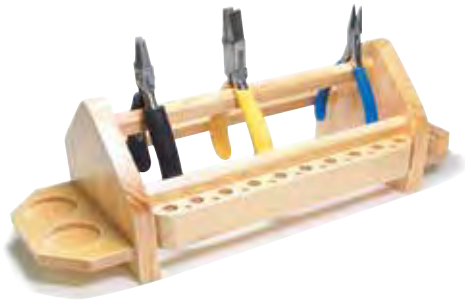
This mini watchmakers' bench has many uses—travel, training classes, part time hires, battery changing stations, working at home. Includes pull-out tray, eight small drawers and one large locking drawer. 20" wide x 16" deep x 10" tall. Laminated hard board.

Stock #	Description
BN2251	Mini Watchmakers' Bench

Wooden Tool Rack

This wood rack has seven slots for pliers, a shelf for miscellaneous small tools and a storage drawer. 6" x 5".

Stock #	Description
HO13.376	Wooden Rack with Drawer



Wooden Pliers & Small Tool Rack

7 1/2" bar area for easy plier accessibility, holes for drill bits, solder and burs, and four spots for small containers. 12 1/2" x 4 1/2" x 4 1/4".

Stock #	Description
HO13.370	Wooden Pliers/Tool Rack

Wood Plier Holder

Economy hardwood racks with beveled holes allow for easy in-and-out handling. Three sizes available, with felt pads on the bottom. Pliers not included.

Stock #	Description
HO13.385	4-Pliers Holder
HO13.386	6-Pliers Holder
HO13.387	8-Pliers Holder

Magnetic Tool Holders

Permanent magnets hold pliers, screwdrivers, and miscellaneous tools in place. Available in three sizes to mount on any surface which accepts screws.

Stock #	Size
HO565	12"
HO570	18"
HO575	24"

Acrylic Plier Holder

This 11" long holder can hold many pairs of pliers and features ten holes for holding screwdrivers, tweezers, wax carvers, etc.

Stock #	Description
HO305.00	Pliers Holder

GRS BenchMate™

These sturdy, quality work-holding tools speed up soldering, stabilize stone setting and simplify repairs. BenchMate has doubled production for jewelers who rely on traditional bench skills. The BenchMate reduces fatigue and unsteadiness, allowing you to work more effectively. Be a better jeweler by using BenchMate to hold and position your work. Made in the USA.

BenchMate® Package Plus

BenchMate, shellac pad, two third-hands, bench pin kit, solder pad assembly, fixed mounting plate, and hardware.

Stock #
GRS004-571

BenchMate® Deluxe Package

Includes a BenchMate, shellac pad, third-hand attachment, bench pin kit, fixed mounting plate, and hardware.

Stock #
GRS004-555

BenchMate® Basic Package

Includes a BenchMate, shellac pad, fixed mounting plate, and hardware.

Stock #
GRS004-542

BenchMate® Accessories

ID	Stock #	Description
a.	GRS004-106	Shellac Pad
b.	GRS004-592	Insulated Solder Clamp
c.	GRS004-558	10 Plastic Jaws for BenchMate
d.	GRS004-552	Narrow Soldering Clamp
e	GRS004-553	Wide Soldering Clamp
f.	GRS004-556	Bench Pin Kit, Includes Wood Bench Pin
g.	BP161	Replacement Bench Pin, 5¼″ x 2¼″
h.	GRS004-559	Mounting Adapter: Thin, Curved Benches
i.	GRS004-557	Fixed Mounting Plate
j.	GRS004-666	Adj. Height Bracket, Fixed Mounting Plate
k.	GRS004-546	Third Hand Attachment
l.	GRS004-097	Extra Jaw for 3rd Hand
l.	GRS004-097T	3rd Hand Tungsten Jaws for Platinum
m.	GRS004-570	6″x 6″ Double 3rd Hand Soldering Station
n.	GRS004-680	Saw Plate-Right Hand
*	GRS004-684	Saw Plate-Left Hand
o.	GRS004-569	Soldering Pad Assembly, 4″ Square
p.	GRS004-660	Pitch Cup
q.	GRS004-578	Engraving Vise Shelf
*	GRS004-513	Replacement Thumb Screw for Bench Pin

* *Not Shown*

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

See Cleaning Section for complete systems.

Vacuum Dust Extractor

Use this complete vacuum unit to remove impurities from hard to reach areas in delicate quartz watch movements. Made in the USA, with included accessories supplied by Bergeon of Switzerland.

- BG5504-VA03 hose support stand
- BG5504-VA01 vacuum hand-piece stylus
- BG5504-VA14 soft white suction brush
- In-line air filter
- 14' suction hose
- Motor muffler

Stock #	Description
AC6100V	Vacuum Dust Extractor

Double Bench Vacuum System

Per customer request, we've designed a system to run two vacuums off one motor using our custom designed fittings. The vacuum handpiece uses a soft brush for protection of delicate parts. This setup uses wire stands to hold the hoses on the bench. May also be used with VOH arms as shown below.

Stock #	Description
AC6100/V2	Vacuum System

VOH Arm

Arm for pressure and vacuum. Requires 40mm hole. Swiss.

Stock #	Description
BN1452	Arm for Pressure and Vacuum

BG5504-VA01

BN1452-1

BN1452-2

BG5504-VA03

BG5504-VA14

BG5504-VA15

BG5504-VA27

Accessories for Vacuum Dust Extractor

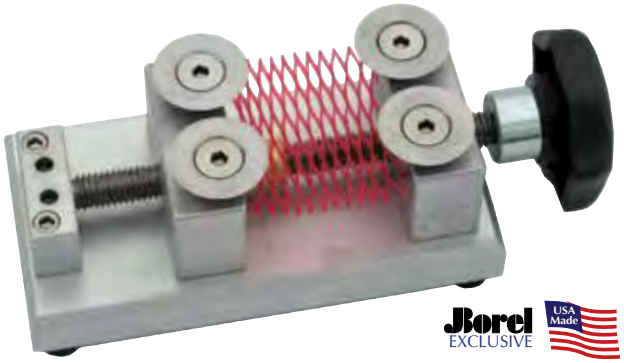
Stock #	Description
BG5504-VA01	Plastic Vacuum Handpiece
BN1452-1	Aluminum Vacuum Handpiece
BN1452-2	Pressure Handpiece Stylus
BG5504-VA03	Wire Stylus Stand
BG5504-VA14	Soft White Suction Brush
BG5504-VA15	Coarse Blue Suction Brush
BG5504-VA27	Martin Fur Suction Brush

Bezel Remover

Four fingers grip the bezel for a secure hold. Three sets of grip pins with different edge angles are included. Optional stand prevents rotation and provides a stable base for BG7820. Stand is 9" tall with a 6" square base.

Stock #	Description
BG7820	Bezel Remover
BG7820-001	Bezel Remover Stand

1. *Unscrew the large and small knobs at the top of the tool.*
2. *Slide the bottom three jaws outward to fit the bezel.*
3. *Place watch in center of the tool and slide the jaws forward under the bezel edges.*
4. *Tighten the large knob at the top until just before it slips.*
5. *Tighten the smaller knob until it touches the crystal.*
6. *Hold the case firmly with one hand and twist the tool with the other hand counterclockwise while pulling upward or back toward you.*



JA Fixed Bezel Removing Tool

This tool was designed and manufactured by John Annibali to remove fixed bezels on high end watches. It offers precise operation with high-quality rotating jaws to provide long-term usage. This unique circular-style removing blade is the latest innovation. Jules Borel & Co. exclusive. Made in the USA.

Stock #	Description
RMB300	Bezel Remover

Bergeon Bezel Remover

Used for revolving bezels only, three adjustable jaws move in to grip a bezel while the center plastic plunger rotates against the crystal. Made for Tag Heuer brand watches, but works on other revolving bezels. Swiss.

Stock #	Description
BG6820	Bezel Remover
BG6820M	Replacement Jaw
BG6820/17	17mm Plunger
BG6820/22	22mm Plunger

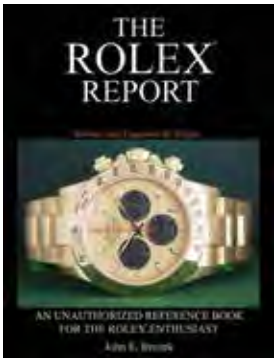
Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

Reprints of the 111 and 111A Bestfit Catalogs

Reprinted 1979 Bestfit Watch Material Encyclopedias are still useful. Includes 834 pages of part pictures, charts, interchangeability and tables. Supply is limited.

Stock #	Description
BK111/111A	Set of 2 Bestfit Books



The Rolex Report

The 4th edition Rolex Report is an excellent resource for anyone who wishes to own, collect or service Rolex watches. This useful, informative and well-illustrated book has 300 pages. By John E. Brozek.

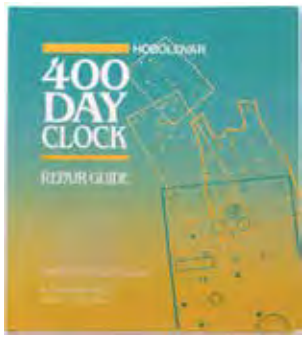
Stock #
BK1170

Jules Borel & Co. is not authorized by, nor affiliated with Rolex Watch, U.S.A., Inc.

Bestfit Watch, Jewelry Repair Record Book

Repair records should be kept for at least three years, and this book provides space for 2000 entries: name and address of the owner, tag and record number, dates received, repaired and delivered, description of item and relevant special information. 142 pages.

Stock #
BK1135



400-Day Clock Repair Guide

Repair and troubleshooting tips, hundreds of plate illustrations and parts breakdown. Hard cover, 10th edition, 237 pages. By Charles Terwilliger.

Stock #
BK62.219

Bergeon Catalog

Catalog from the world-wide leader in watchmaker's tools. Bergeon 1200-page catalog is in an easy-to-update binder format. Has over 1200 pages, showing 20,000 references, 5500 pictures and technical drawings. The 300-page catalog is for tools only. Sold at our cost to help you have the best reference. You may also search at www.bergeon.ch.

Stock #	Description
BK113	Bergeon 1200-page Catalog
BK114	Bergeon 300-page Catalog, Tools Only

Ebauches SA Parts Dictionary

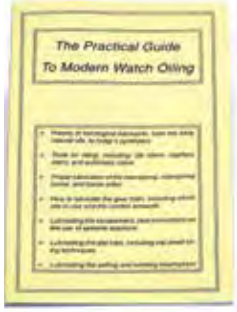
Reference has entries for standard, automatic and calendar parts for mechanical watch parts. Standard Ebauches parts reference with illustrations, in five languages. 51 pages, by Ebauches SA.

Stock #
BK-EBSA

Quartz Watch Retrofitting

Learn to replace quartz movements or convert mechanical movements to quartz movements, replace dial feet and how to make and use a dial foot soldering box. Has a 75-page quartz interchangeability chart. 175 pages, 132 illustrations, by Wesley R. Door, CMW.

Stock #
BK107

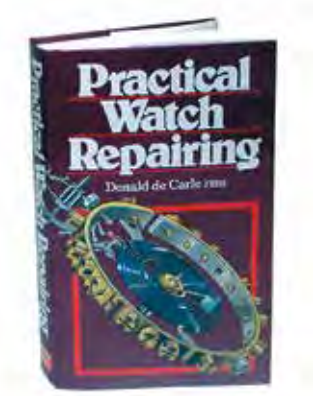


The Practical Guide to Modern Watch Oiling

Informative 20-page booklet on mechanical watch oiling and lubrication. By Stan McMahan.

Stock #
BK-OILING

Horological & Casting Books



Practical Watch Repairing

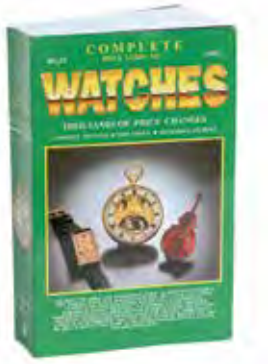
This comprehensive book on watch repairing contains 550 illustrations describing the theories and processes of repairing and adjusting the modern watch precisely and with meticulous detail. 299 pages. Hardback or paperback. By Donald de Carle, FBHI.

Stock #	
BK1102	Hardback
BK1103	Paperback

Practical Clock Repairing

From grandfather clocks to alarm clocks, learn about repairing clock movements. All tools and equipment are detailed, along with information for proper use. 240 pages. By Donald de Carle, FBHI.

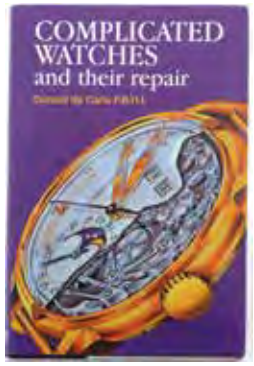
Stock #
BK1118



Complete Price Guide to Watches

This miniature encyclopedia of over 10,000 watches includes current values, tips for collectors, historical information, and guidelines for grading and appraising watches. By horologists Cooksey Shugart, Tom Engle and Richard E. Gilbert. 1200 pages, 7850 illustrations.

Stock #
BK1000



Complicated Watches and Their Repair

An excellent resource written by an expert repair author. Hard cover, 217 pages. By Donald de Carle, FBHI.

Stock #
BK1174

Centrifugal or Lost Wax Jewelry Casting

Thorough coverage of wax casting by the centrifugal or lost wax casting method, including mold-making, casting waxes, spruing, and investing plus burnout machines. 144 pages, by Murray Bovin.

Stock #
BK1217

Practical Casting

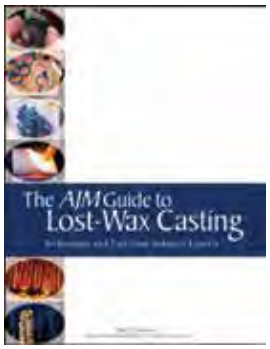
This studio reference for jewelers, craftsmen, and sculptors, contains hundreds of drawings, concise descriptions, charts, tables, and safety considerations not available in other resources. 153 pages, by Tim McCreight.

Stock #
BK1270

Cast-A-Way

Starts with tools and supplies, then covers the details of wax casting step-by-step, free-form design, spruing, investing, burnout, pickling, annealing, cleaning and polishing. Ideal for amateurs or pros. 61 pages, by Jack Mulock.

Stock #
BK1444



AJM Guide to Lost-Wax Casting

The best casting practices, handy tips and trouble-shooting techniques are provided by the industry's leading experts. This book presents how to achieve consistently smooth, porosity-free castings. Published by MJSA. 116 pages.

Stock #
BK143

Flexible Shaft Machine

This step-by-step guide covers the many uses of the flexible shaft machine, the tool most used by practicing craftsmen. Covers types of flexible shaft machines, handpieces, accessories and the uses of burs and abrasives. 47 pages, by Harold O'Connor.

Stock #

BK1508

Jewelry Making

Revised and enlarged edition showing processes and techniques such as enameling, plating, etching, three types of casting, and stone setting. Soft cover with appendix and supplementary tables. 288 pages by Murray Bovin.

Stock #

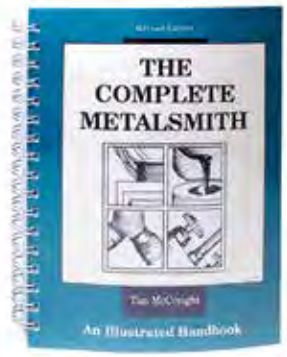
BK1123

Silversmithing and Art Metal

Over 300 illustrations and 184 pages thoroughly detail the latest techniques and practical ideas for art metal work. Excellent for schools, tradesmen and craftsmen. By Murray Bovin.

Stock #

BK1165



The Complete Metalsmith

This illustrated handbook covers metals and their properties, as well as metalworking tools and how to use them. An easy-to-follow index makes the answers easy to find. 95 pages, by Tim McCreight.

Stock #

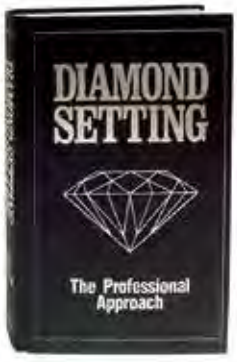
BK1271

The Jeweler's Bench Reference

Excellent guide for novices or intermediate craftsmen wanting to learn about findings, processes, techniques, materials, care and use of equipment and jewelry making techniques. 68 pages, by Harold O'Connor.

Stock #

BK1509

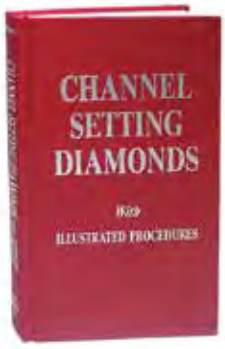


Diamond Setting

Experienced and beginning diamond setters can learn from this professional presentation of the tools and steps necessary to do pin-point, prong (both round and fancy), bezel, channel, fishtail, and bead settings. 178 pages, by Robert R. Wooding.

Stock #

BK1401



Channel Setting Diamonds

This manual has more detail on the fundamentals of channel setting diamonds, plus describes a variety of ways to channel set diamonds under different situations. 140 pages, hard-cover, by Robert R. Wooding.

Stock #

BK1424

Bead Setting Diamonds

This book has four main sections: tools, bead setting procedures, applications, and pavé settings. Detailed and well illustrated, this 192-page book includes expanded bead setting techniques. By Robert R. Wooding.

Stock #

BK1431

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Resource Books and Guides

It's hard to be an expert on everything... but these valuable resources can improve your expertise and help you make more profit!

Geller's Blue Book Guide to Increased Profit

This is not just a book, but an entire training system and resource set. Jewelers who use this well-researched guide tend to improve their profits. The comprehensive Version 5 book includes: price schedule for new laser welding procedures, a detailed custom design section, repair and sales tips, stock numbers for seven findings vendors and updated costs for findings, labor, and markup. In addition, you receive ten instructional audio CDs, a quick reference card and a counter mat explaining levels of cleaning and polishing. By David Geller.

Stock #	Description
BK105/5.0	Geller's Blue Book Version 5

The Jeweler's Bench Book

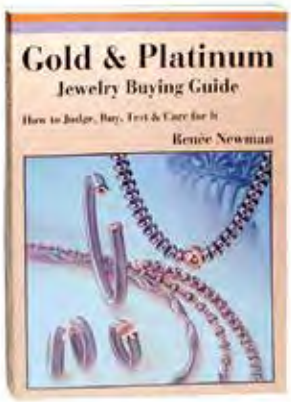
Learn how to select the best bench for your needs, then modify it for maximum efficiency. Bench layouts and tool storage and arrangement are shown at actual working benches. Published by MJSA. By Charles Lewton-Brain.

Stock #
BK146

The Platinum Bench

This book provides step-by-step, illustrated lessons on common platinum repair and fabrication projects, as well as a guide to alloys, proper bench setup, and casting. Published by MJSA. 112 pages, by Jurgen J. Maerz.

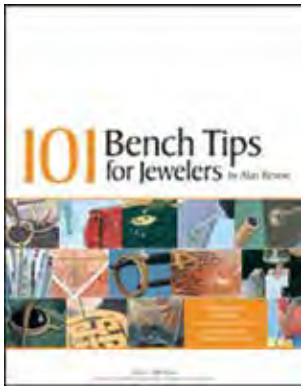
Stock #
BK142



Gold & Platinum Jewelry Buying Guide

Detailed information offered on judging jewelry quality, buying on a budget, detecting fakes and poor workmanship. 156 pages with many photographs. By Renée Newman, GG, MA.

Stock #
BK1504



101 Bench Tips for Jewelers

Acclaimed as a designer, author, educator, and innovator, Alan Revere shares his most valuable bench tips and tricks, including how to speed production, improve quality, and increase profits. Published by MJSA. 120 pages.

Stock #
BK140

At the Bench

At the Bench includes step-by-step, illustrated lessons on the repair and fabrication of gold and silver jewelry, as well as guides to bench setup, maximizing workflow, organizing small tools, safe torch work and maximum metal recovery. Published by MJSA. By Gregg Todd and Greg Gilman. 116 pages.

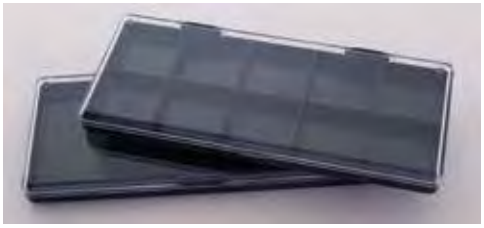
Stock #
BK141

Shown with optional butcher block top.

Lista Storage Cabinets

Lista cabinets are recommended by high-end watch companies for parts storage. Heavy-duty, durable and lockable with ergonomic handles. Fully extendable drawers allow access to all corners. Many unique cabinet sizes and styles available, with drawer dividers that can be customized. Shipped directly from the factory. Please call for an emailable cabinet catalog.

Stock #	Description
OR-XSHS0900-0904	9 Drawers, 204 Compartments
OR-XHS1BC1	Optional Butcher Block Top



Plastic Compartment Boxes

Large flat boxes, 260 x 105mm, are divided into 10 compartments measuring 49 x 48 x 18mm, or undivided.

Stock#	Description
BG6088F	Divided Storage, 24mm Deep
BG6088	One-Compartment Box, 18mm Deep

BG6088D

Drawer Cabinets

Heavy-duty plastic cabinet is ideal for wax patterns, batteries, small tools, and parts. 20" W x 6⅜" D x 15¾" H. Battery cabinet (not shown) is 14¾" W x 6¼" D x 13¾" H.

Stock #	Description
BX-60	64-Drawer Tools Cabinet
BX-61	60-Drawer Battery Cabinet

Labels shown for illustration purposes.

Leatherette Cases

Small bottles with lids in a classy leatherette case provide organization for small parts. Burgundy with beige interior. Labels not included.

Stock #	Cab. size	# Bottles	Bottle Size, DxH
BX-LC24	4.2 x 5.5″	24 Glass	9 x 30mm
BX-LC12	4.25 x 4.5″	12 Plastic	14 x 40mm
BX-LC60	8 x 11.75″	60 Plastic	14 x 40mm
BX-LC2678	8 x 11.75″	36 Plastic	19 x 51mm

Replacement Bottles with Lids

BX-LC24BTL	Replacement Bottles, 9 x 30mm, w/ Corks
BX-LC60BTL	Replacement Bottles, 14 x 40mm, w/ Plastic Caps
BX-LC267BTL	Replacement Bottles, 19 x 51mm, w/ Plastic Caps

Small Parts Organizer

Store watch parts or gems. Plastic case contains two large and 21 small round plastic containers fixed into the base.

Stock#	Description
BG6088D	Parts Organizer

Plastic Dust Cover and Tray

Imported 6-compartment tray holds small parts, while the plastic dome keeps the dust out. Light blue base. Dome is 3.62" diameter.

Stock #	Description
CV270	Plastic Dust Cover Set

Bergeon Transparent Dust Cover

Durable plastic 4" diameter cover protects work from contamination. Swiss.

Stock #	Description
BG30097C	Dust Cover Only
BG30097B	Tray Base Only
BG30097BC	Dust Cover Set

Movement Trays

Set of six plastic trays with lids for movement storage. The large section holds the movement and four small sections keep parts sorted. 3" x .75".

Stock #	Description
BX-NT765	Set of 6 Trays

Watch Repair Storage Tray with Stackable Lids

Convenient plastic stackable storage tray holds complete watch while being repaired. BXR-027 has five small and one long compartment. BXR-028 has 10 compartments $1\frac{3}{4}$" x $1\frac{7}{8}$ x $\frac{5}{8}$" deep. Complete with transparent cover. These trays can be stacked with the cover on or off. Overall Size: $9\frac{5}{8}$" x $4\frac{1}{2}$" x $\frac{3}{4}$". Swiss.

Stock #	Description
BXR-027	6 Compartments, Light Green Base
BXR-028	10 Compartments, Red Base

Plastic Compartment Box

Clear tinted box is 200 x 105 x 20mm, divided into 36 compartments measuring 33 x 16mm.

Stock#	Description
BG6089D	Divided Storage Box

Pie-shaped Box

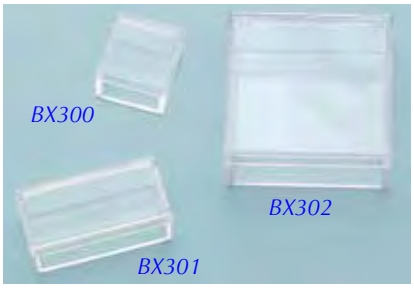
The top of these organizers rotates so only one compartment is open at a time. The parts will not fall out or mix.

Stock #	Diameter x Depth	# Compartments
BX178	$7\frac{1}{2}$" x $\frac{5}{8}$"	20
BX180	$3\frac{1}{2}$" x $\frac{7}{16}$"	12
BX181	$3\frac{1}{2}$" x $\frac{5}{8}$"	12, Deeper

Elastic Membrane Boxes

Fragile and sharp parts are suspended between two membranes for storage and shipping. Boxes sold individually. 39 x 39 x 17.8mm.

Stock #	Description
BG6799-01	Membrane Boxes



Clear Plastic Boxes

Clear boxes with tight fitting lids. All are 3/4" deep, except BX304 which is 9/16" deep.

Stock #	Size	Depth
BX300	1" Square	3/4"
BX302	2" Square	3/4"
BX301	1" x 2" Rectangle	3/4"
BX307	1.5" x 2" Rectangle	3/4"

Plastic Movement Box

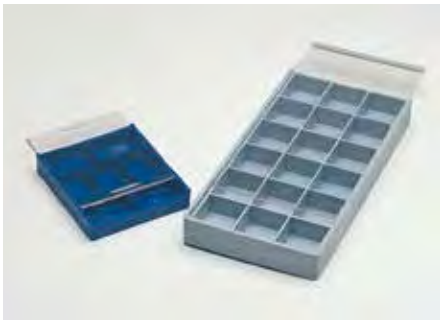
Clear hinged top with clear bottom.

Stock #	Size	Depth
BX-G0305	2 1/8 x 1 5/8"	3/8"

Parts Cabinet with Removable Compartments

Clear hinged top with 12 or 18 removable storage compartments. Compartments 1 1/4" x 1/2". PC12 is 5 3/4" x 3 3/4" and PC18 is 8 1/2" x 3 3/4".

Stock #	Description
BX-PC12	12 Compartments
BX-PC18	18 Compartments



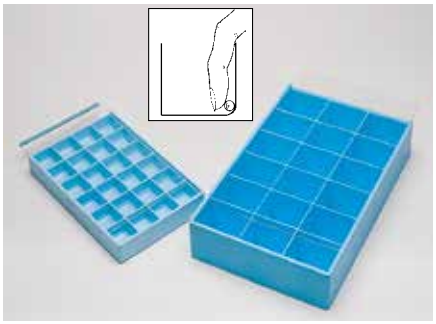
Divided Trays with Sliding Lids

Organize a wide variety of parts and small objects with these plastic organizer trays. The sliding lid, which keeps parts in their place, opens and closes smoothly.

7 Compartment Tray: 2 7/8" x 3 3/8"

18 Compartment Tray: 3 3/4" x 7 1/2"

Stock #	Description
BX305.00	Small Tray, 7 Sections
BX310.00	Large Tray, 18 Sections



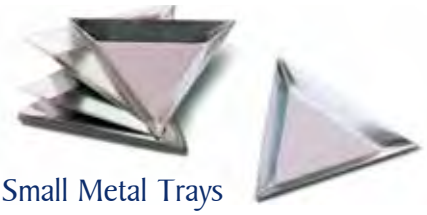
"Easy Out" Bead Box

Boxes with secure slide lids have a rounded edge at the front bottom of each compartment for easy retrieval of beads, stones, or findings.

24 Compartment Tray: 7 3/4" x 5"
Section size: 1 1/8" L x 1 3/16" W x 5/8" D

18 Compartment Tray: 10 1/2" x 6 3/4"
Section size: 2" L x 1 5/8" W x 1 1/2" D

Stock #	Description
BX314.00	Small Tray, 24 Sections
BX315.00	Large Tray, 18 Sections



Small Metal Trays

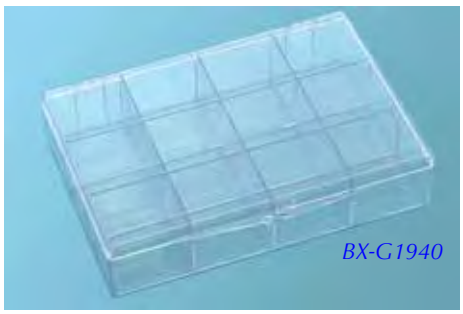
Sort, hold, and pour small parts. Packaged per dozen.

Stock #
TR167

Round Metal Boxes

Store small parts and stones.

Stock #	Size
BX276	1 5/16" x 3/8"
BX277	1 1/2" x 1/2"
BX278	2" x 3/4"



Clear Plastic Sectioned Boxes with Hinged Tops

Many sizes available to help you organize findings, settings, stones, and more. Made in the USA.

Stock #	Outside LxWxH	# Sections
BX-A220	4 5/8" x 3" x 1 1/8"	6
BX-A228	4 5/8" x 3" x 1 1/8"	8
BX-A219	7" x 3 3/4" x 1 1/4"	12
BX-A208	8 1/4" x 4 1/2" x 1 3/8"	12
BX-A200	8 1/4" x 4 1/2" x 1 3/8"	18
BX-A166	10" x 7 1/8" x 1 11/16"	36
BX-G1940	7 3/4" x 4" x 7/8"	12

Broach Sets

Swiss Broach Size Chart

Measured at Largest End

Size	=	mm Size
28	=	3.53
30	=	3.23
32	=	2.92
34	=	2.75
36	=	2.69
38	=	2.57
40	=	2.46
42	=	2.34
44	=	2.16
46	=	2.01
48	=	1.90
50	=	1.75
52	=	1.60
54	=	1.40
56	=	1.14
58	=	1.04
60	=	.99
62	=	.94
64	=	.89
66	=	.81
68	=	.76
70	=	.69
72	=	.61
74	=	.56
76	=	.46
78	=	.38
80	=	.33

Pivot Cutting Broaches

Swiss.

Stock #	Stubs	Sizes
BG3008	Plastic Handles	.05-.20mm
BG4251	Plastic Handles	.33-.69mm
BG4338	Without Handles	.46-1.90mm

Plastic-Handled Cutting Broach Sets

Set of seven broaches with PVC handles, cutting .69 to 3.53mm. See chart for individual reorder numbers. Swiss.

Stock #	Packaged
BG30544AP	Boxed
BG30544TP	Tube

To order individual broaches, use the chart and add the corresponding size to stock # BG30544. Example: BG30544/28.

Broach Sets

Twelve cutting or smoothing broaches, without handles, in two size ranges.

Stock #	Type	Size Range
BG1896A	Cutting	1.14 - 2.75mm
BG1896B	Smoothing	1.14 - 2.75mm
BG1896C	Cutting	.33 - 1.04mm
BG1896D	Smoothing	.33 - 1.04mm

Broach Set

Assortment of six popular five-sided broaches with a regular taper and perfect finish. Contains the following sizes: 72, 66, 60, 54 , 52, and 46. Made in Germany.

Stock #	Description
BR174.00	Broach Set

A
C
E
F
G

Large Set of Cutting Broaches

Sixty-piece set of cutting broaches sized .05 - 2.75mm, sorted in five tubes of 12 broaches, in a wooden box.

Stock #	Description
BG30046	Cutting Broaches Set, 60 pieces

Stock#	Sizes	Origin	Purpose
BG1896A	1.14 - 2.75mm	Swiss	General Cutting
BG1896C	.33 - 1.04mm	Swiss	General Cutting
BG1896E	.20 - 1.00mm	Swiss	Cannon Pinion Cutting
BG1896F	.20 - .80mm	Swiss	Joint Cutting
BG1896G	.05 - .30mm	French	Pivot Cutting

English Pattern Broaches

Cutting, cleaning and finishing broaches are made of high quality steel and uniformly tempered for a long life. The lengths vary from approximately 1¾" to over 7", with diameters gauged slightly smaller than the largest portion of the cutting edges.

Individual Cutting Broaches

Stock #	Stubs	Inches	mm
BR15.301	1	.227″	5.8
BR15.305	5	.204″	5.2
BR15.310	10	.194″	4.9
BR15.315	15	.180″	4.5
BR15.320	20	.161″	4.1
BR15.325	25	.148″	3.8
BR15.330	30	.127″	3.2
BR15.335	35	.108″	2.7
BR15.340	40	.097″	2.5
BR15.345	45	.081″	2.1
BR15.348	48	.075″	1.9
BR15.350	50	.069″	1.8
BR15.351	51	.067″	1.7
BR15.352	52	.063″	1.6
BR15.354	54	.055″	1.4
BR15.355	55	.050″	1.3
BR15.358	58	.042″	1.1
BR15.360	60	.039″	.99
BR15.362	62	.038″	.97
BR15.365	65	.033″	.83
BR15.368	68	.031″	.78
BR15.370	70	.027″	.68
BR15.372	72	.024″	.60
BR15.375	75	.020″	.50
BR15.380	80	.013″	.33

Round Smoothing

Stock #	Number	Size
BR15.0420	20	4.09mm
BR15.0426	26	3.70mm
BR15.0430	30	3.23mm
BR15.0436	36	2.69mm
BR15.0446	46	2.01mm
BR15.0450	50	1.75mm
BR15.0456	56	1.14mm
BR15.0460	60	.99mm
BR15.0470	70	.69mm
BR15.0476	76	.46mm

English Pattern Broach Assortment

For general purpose work. Contains 12 of the most used sizes within the Stub range of 30-70. Sizes .69 to 3.23mm, packed in tubes.

Stock#	Description
BR500	Set of 12 Cutting Broaches
BR505	Set of 12 Smoothing Broaches

Mascot Pivot Broach Assortments

Superior quality, perfectly tapered and true to size for precision work. All have round handles and are 1¾" long. Twelve pieces per assortment.

Stock #	Style
BR15.520	Cutting
BR15.521	Cutting
BR15.522	Cutting
BR15.525	Smoothing
BR15.526	Smoothing

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Small Flux & One Dip Brushes

Disposable brushes are made of fine quality camel hair mounted in a quill handle. Use to apply flux or to clean with One Dip. Also excellent for applying cement or lacquer.

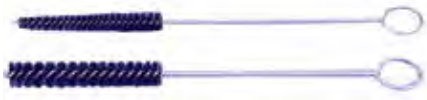
Stock #	Size
BU16.217	1¾"
BU16.215	2½"
BU16.213	3¼"
BU16.212	3½"

Pen-like Scratch Brushes

Brush with small 3.5mm tip encased in a pen-like holder. German.

Stock #	Description
BU294.00	Fiberglass
BU293.00	Nylon
BU292.00	Steel
BU295.00	Brass

Stock #	Description
BU294.01	Fiber Refills
BU293.01	Nylon Refills
BU292.01	Steel Refills
BU295.01	Brass Refills



Twisted Wire Brushes

Wire-formed brush with stiff spiral bristles. Clean rings, small holes or sight glass steamer tubes. 8⅝" long, ½" diameter.

Stock #	Description
BU16.080	Tapered
BU16.081	Straight

Burn Away Flux Brushes

Fire-resistant bristles are useful for soldering, plus suitable for applying paint, lacquer or other materials.

Stock #	Description
BU710.00	Brushes

Brass Scratch Brush

For cleaning files or work before soldering. Brass wire bristles are approximately 1¾" long and are bound in a metal holder.

Stock #	Description
BU16.305	Scratch Brush

Scratch Brushes

Fiberglass brush tip helps remove rust and clean contacts. Pen-shaped holder feeds out brush as needed. 3.5mm tip. Swiss.

Stock #	Description
BG2834C	Fiberglass
BG2834L	Brass Bristles

Refills

BG2834S	Fiberglass Refills
BG2834LS	Brass Refills

Economy Scratch Brush

Scratch brush has fiberglass tip. 3.5mm diameter tip, 4" long.

Stock #	Description
BU16.332	Economy Scratch Brush

Red Sable Brushes

Pure hair brush, shaped to fine point, securely mounted in aluminum ferrules on smooth wood handles. Excellent for fine detail work with enamels.

Stock #	Size
BU16.260	#0
BU16.262	#2
BU16.264	#4

Glass Bristle Scratch Brush

Remove rust and dirt from metal surfaces, or use for polishing. Fine glass bristles are bound in cord to unwind as bristles wear. 7" x ½".

Stock #	Description
BU16.334	Scratch Brush

Thin Scratch Pen

Scratch brush has fine fiberglass tip. 1.7mm diameter by 4" long. Swiss.

Stock #	Description
BG6240	Bergeon
BG6240D	Dozen Refills

Hand Scrub Brush

Plastic brush features extra stiff white nylon bristles ideal for scrubbing hands and fingernails. 3½" x 1½".

Stock #	Description
BU16.076	Hand brush

Glasgow Brushes

Four uniform rows of bristles with different degrees of stiffness. Overall length 10". Made in Germany.

Stock #	Description
BU541	Hard
BU542	Medium
BU543	Soft
BU544	Extra Soft

Metal Brush with Wooden Handle

Four rows of crimped steel or brass wire are set into a wooden handle for cleaning or texturizing soft metals. Wire size .10mm. Overall length 8 5/8". Made in Germany.

Stock #	Type
BU16.310	Brass
BU16.350	Steel

Cleaning Brush

AWCI recommended brush with soft bristles. 8 3/2" long. Swiss.

Stock #
BG1103/4

Plastic Handle Washout Brush

Has four rows of natural or slightly stiffer nylon bristles. 7 1/2" long.

Stock #	Description
BU16.095	Natural
BU16.098	Nylon

Dusting Brush

Soft camel hair brush with wood handle for removing dust from delicate surfaces. Overall length 4 1/4".

Stock #
BU16.060

Bone Handled Brush

Four rows of natural Chungking hard bristles are set in the bone handle. Ideal for chemicals. 6 3/4" long.

Stock #
BU621

Equipment Cleaning Brush

Lucite handled brush has four rows of nylon bristles, 1/2" wide, useful for cleaning equipment. 6 3/4" long.

Stock #
BU16.099

One Dip Brush

Camel hair bristles on a nondissolving quill handle. Swiss.

Stock #
BG1300-6

Stiff Wood Handled Brush

Bristles are wired into the wooden handle. 8 1/4" long.

Stock #
BU16.086

Bench Duster

Soft black bristles are suitable for sweeping filings and general purpose work. Overall length 8 1/4".

Stock #
BU16.051

Static Free Brushes

Remove static charge and wipe away dust and lint with this anti-static brush. The soft delicate brushes will not damage watch dials or hands.

Stock #	Description
BU1020	Brush, 20mm Wide
BU1030	Brush, 35mm Wide

Fine Quality Miniature Brushes

Find the perfect brush for any polishing or finishing job. Select from soft bristles for fine polishing; stiff bristles for cleaning; brass wire for gold, copper or brass; steel wire for white metals; straight wire for stronger cleaning, deburring and surface finishing; crimped wire for a softer or matte finish.

Mounted Cup Wire Brushes

Cup wire brushes with a 3/32" mandrel diameter.

Stock #	Wire Type	Metal	End Diameter
BU16.960	Straight	Brass	1/2"
BU16.962	Crimped	Brass	9/16"
BU16.965	Light Crimp	Steel	1/2"

MD43.128

Unmounted Wire Brushes

Single-row wire brushes. Wire size diameter: straight .0035"; light crimped .003"; crimped .005". Use flex shaft mandrel MD43.128 for 3/32" shafts or MD43.158 for 1/8" shafts. Brush diameter is 3/4".

Stock #	Wire Type	Metal	Hole
BU16.880	Straight	Brass	3/32"
BU16.881	Crimped	Brass	3/32"
BU16.886	Light Crimp	Steel	3/32"
BU16.887	Crimped	Steel	3/32"

Mounted End Wire Brushes

End wire brush has bristles that are 1/4" long and an end diameter of 3/16". Mandrel diameter is 3/32".

Stock #	Wire Type	Metal
BU16.926	Straight	Brass
BU16.927	Crimped	Brass
BU16.940	Light Crimp	Steel

Mounted Brass Brushes

Select single row or heavy-duty double row brushes. Wire size diameter is .0035" for straight and .005" for crimped. Diameter on all brushes is 3/4".

Stock #	Wire Type	# Rows	Mandrel
BU16.805	Straight	Single	3/32"
BU16.806	Crimped	Single	3/32"
BU16.807	Crimped	Double	3/32"
BU16.810	Crimped	Single	1/8"
BU16.811	Crimped	Double	1/8"

Mounted Steel Brushes

Select single row or heavy-duty double row brushes. Wire size diameters: .003" for light crimped and .005" for crimped. Diameter on all brushes is 3/4".

Stock #	Wire Type	# Rows	Mandrel
BU16.0687	Straight	Single	3/32"
BU16.840	Light Crimp	Single	3/32"
BU16.841	Crimped	Single	3/32"
BU16.842	Crimped	Double	3/32"
BU16.844	Light Crimp	Single	1/8"
BU16.845	Crimped	Single	1/8"
BU16.846	Crimped	Double	1/8"

Dixcel® Mounted Bristle Brushes

Excellent quality precision brushes for cleaning and polishing. Select single row or heavy-duty double row brushes. Use 3/32" mandrels.

Stock #	Type	# Rows	Size
BU16.601	Soft	Single	9/16"
BU16.602	Stiff	Single	9/16"
BU16.608	X-Soft	Single	3/4"
BU16.607	Soft	Single	3/4"
BU16.609	Stiff	Single	3/4"
BU16.619	X-Soft	Single	1"
BU16.620	Soft	Single	1"
BU16.621	Stiff	Single	1"
BU16.612	X-Soft	Double	3/4"
BU16.611	Soft	Double	3/4"
BU16.613	Stiff	Double	3/4"
BU16.622	X-Soft	Double	1"
BU16.623	Stiff	Double	1"

Dixcel® Mounted End Brushes

Brush diameter is 3/16". Mounted on 3/32" mandrels.

Stock #	Type	Mandrel	Size
BU16.700	Soft	3/32"	1/4"
BU16.701	Stiff	3/32"	1/4"
BU16.703	Soft	1/8"	1/4"
BU16.704	Stiff	1/8"	1/4"
BU16.707	Soft	3/32"	3/8"
BU16.708	Stiff	3/32"	3/8"
BU16.710	Soft	3/32"	1/2"
BU16.711	Stiff	3/32"	1/2"

Economy Mounted End Brushes

BU16.06844	Stiff	3/32"	3/8"
BU16.06845	Soft	3/32"	3/8"

Dixcel® Mounted Cup Brushes

Stock #	Type	Mandrel	Size
BU16.750	Soft	3/32"	1/2"
BU16.751	Stiff	3/32"	1/2"
BU16.755	Stiff	3/32"	9/16"

Economy Mounted Bristle Brushes

Economy bristle brushes, mounted on 3/32" mandrels.

Stock #	Type	# Rows	Size
BU16.0695	Stiff	Single	3/4"
BU16.0696	Medium	Single	3/4"
BU16.0697	Soft	Single	3/4"

Dixcel® Unmounted Bristle Brushes

Use stiff bristle brushes for cleaning and the soft brushes for polishing. For brushes with 3/32" hole use mandrel MD43.128. For brushes with 1/8" hole use mandrel MD43.160, or use spindle converter MD47.258 which screws on the tapered spindles of your polishing motor.

Stock #	Type	Hole Size	Size
BU16.660	Soft	3/32"	3/4"
BU16.661	Stiff	3/32"	3/4"
BU16.669	Soft	3/32"	1"
BU16.670	Stiff	3/32"	1"
BU16.662	X-Soft	1/8"	3/4"
BU16.671	X-Soft	1/8"	1"
BU16.663	Medium	1/8"	3/4"
BU16.664	Stiff	1/8"	3/4"
BU16.673	Stiff	1/8"	1"

Economy Unmounted Bristle Brushes

Use with mandrel MD43.160, 1/8" mandrels only.

Stock #	Type	Hole Size	Size
BU16.0801	Stiff	1/8"	1"
BU16.0811	Medium	1/8"	1"
BU16.0814	Soft	1/8"	1"

Grobet USA™ Wood Hub Bristle Brushes

Genuine Chungking animal hair bristles are "staple-set" mounted into hard-wood hubs for a lasting hold until worn out. The 1/4" arbor holes allow for use with the tapered spindles on polishing motors.

Stock #	Shape	Rows	Bristle	Diameter
BU16.372	Square	1	1/2"	2 1/2"
BU16.399	Square	1	3/8"	2 5/8"
BU16.404	Square	1	1/2"	2 7/8"
BU16.380	Tapered	2	3/8"	2"
BU16.381	Tapered	2	1/2"	2 1/4"
BU16.383	Tapered	2	5/8"	2 1/2"
BU16.385	Tapered	2	1/4"	2 5/8"
BU16.403	Tapered	2	1/2"	2 7/8"
BU16.389	Tapered	3	1/2"	2 3/8"
BU16.384	Tapered	3	5/8"	2 5/8"
BU16.390	Tapered	3	11/16"	3"
BU16.391	Tapered	3	13/16"	3 1/2"
BU16.407	Tapered	4	3/8"	2"
BU16.405	Tapered	4	5/8"	2 1/2"
BU16.393	Tapered	4	3/4"	3"
BU16.395	Tapered	4	13/16"	3 1/2"

The stiffness of each brush is determined by several factors. The greater the number of rows, the stiffer; the shorter bristles, the stiffer; and converging bristles will be stiffer than parallel bristles.

Straight Steel Wire Wheel Brush

Use this steel wire with wood hub brush for cleaning, deburring and surface finishing on silver, aluminum and other white metals. Has 1/4" arbor hole.

Stock #	Rows	Diameter
BU16.456	2	3"
BU16.459	3	3"
BU16.462	4	4"

Crimped Brass Wire Wheel Brush

Brass wire brush with wood hub for surface finishing of yellow metals produces a softer satin or matte finish. Strands are .004" brass. Has 1/4" arbor hole.

Stock #	Rows	Diameter
BU16.440	2	3"
BU16.443	3	3"
BU16.446	4	4"

Straight Brass Wire Wheel Brush

Straight wire in a wood hub produces a coarser finish. Use to clean and surface finish brass and other metals. Strands are .003" brass. Has 1/4" arbor hole.

Stock #	Rows	Diameter
BU16.426	2	3"
BU16.429	3	3"
BU16.432	4	4"

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Mounted Mini Muslin Buffs

One-inch diameter muslin buffs on 3/32" mandrels.

Stock #	Style	Ply
BF8420	Chemkote	8
BF8414	Muslin	12

Mounted Midget Felt Buff

Solid felt buff mounted on 3/32" mandrels.

Stock #	Style	Diameter
BF990	Felt Buff	1"

Dixcel Miniature Chamois Buffs

Use this chamois 3-ply buff with mandrel MD43.128.

Stock #	Style	Diameter	Ply
BF17.132	Chamois	5/8"	3
BF17.134	Chamois	3/4"	3

Mandrels for Unmounted Buffs

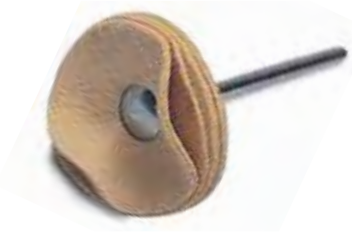
Multi-purpose mandrels for unmounted polishers, with 1/16" arbor holes and 8mm long threads.

Stock #	Shank
MD43.128	3/32"
MD43.156	1/8"

Midget Super Buffs

Super Buffs last 50% longer than regular muslin buffs. Use with flexshaft mandrel MD43.158 for 7/8" and 1 1/4" buffs, and a tapered spindle for 1 1/2" and 2" buffs.

Stock #	Size	Ply	Stitching
BF1512	7/8"	16	1 Row
BF1513	1 1/4"	16	2 Rows
BF1514	1 1/2"	16	3 Rows
BF1515	2"	16	4 Rows



Mounted Mini Chamois Buffs

Chamois 4-ply buff mounted on 3/32" mandrels.

Stock #	Style	Diameter	Width
BF8415	Chamois	1"	3/16"

Chamois Buffs

Use with rouge to produce a high gloss finish on soft metals. Stitched with leather patch on center for a firm grip on a tapered spindle.

Stock #	Size	Ply	Stitching
BF1021	1"	5	1 Row
BF772	2"	12	1 Row
BF772-1/2	2 1/2"	12	3 Rows
BF773	3"	12	3 Rows
BF774	4"	18	4 Rows

Watch Finishing Buffs

Satin Finish Wheel

Abrasive buff used by famous Swiss watch factories for bands, buckles, and cases. Fine grit is the most popular. Measures 100 x 20mm with a 6mm hole. Swiss.

Stock #	Description
BG6085E1	Medium Grit
BG6085E2	Fine Grit
BG6085E3	Very Fine Grit
BG6085E4	Ultra Fine Grit

Bufflex Satin Wheels

Produce satin factory finishes on high-end watch cases and bands.

Stock #	Type	Description
BF117.880	FB6 TF	Very Fine
BF117.881	FB6 F	Fine
BF117.882	FB6 M	Medium

Straight Wheels

Use for countless operations requiring absolute control of material removal: micro-deburring, polishing away fatigue lines and scratches. Use mandrel MD43.128.

Stock #	Color	Grit	Dimensions
AB1506/C	Dk. Green	Coarse	7/8″ x 1/8″
AB1506/M	Brown	Medium	7/8″ x 1/8″
AB1506/F	Red	Fine	7/8″ x 1/8″
AB1506/XF	Lt. Green	Extra Fine	7/8″ x 1/8″

Satin Finish Buffs - Aluminum Oxide

Red satin buffs are non-woven abrasive wheels incorporating aluminum oxide and treated with a special resin to give premium watches a factory finish. Mount onto a tapered spindle.

Stock #	Diameter	Thickness
BF712.07	2.38″	3/4″
BF714.07	4″	3/4″
BF714.10	4″	1 1/8″

Artifex Supple Silicon Carbide Wheels

Use to satin finish Swiss watch cases. 100mm diameter, 20mm thick, 1” hole. Use with low speed motor at 1900 RPM only. Swiss. Use MD10.3538 spindle.

Stock#	Grit	Factory ID
BG6168D	Rough Grit	SC46WP
BG6168E	Medium Grit	SC80WP
BG6168F	Fine Grit	SC150WP
BG6168G	Very Fine Grit	SC250MP

Tapered Spindle Adapters

Allows buffs with larger holes to fit on tapered spindles.

Stock #	Description	Hole Diameter
MD10.3538	Tapered Spindle Adapter	1″
MD10.3539	Tapered Spindle Adapter	1 1/4″

1 1/4″ Tall

Wheel Adapters

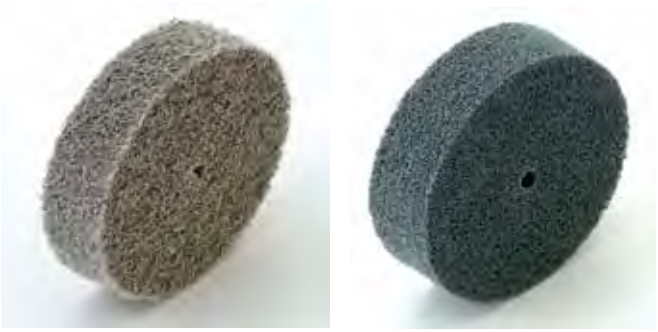
Use with MD920 and MD921. Sold individually.

Stock #	Type	Diameter	Arbor hole
MD10.3565	Steel	1″	1/2″
MD10.3568	Plastic	1 1/4″, 3/4″, 5/8″, 1/2″	1/2″

Mounted Satin Finish Wheels

Achieve a variety of satin finishes on metals with these high quality wheels. Mounted on 3/32" mandrels. Maximum 30,000 RPM recommended.

Stock #	Style	Diameter	Width
BF17.901	Fine	3/4"	1/4"
BF17.902	Medium	3/4"	1/4"
BF17.908	Fine	1"	1/4"
BF17.909	Medium	1"	1/4"



Matte Finish Buffs

Norton Bear-Tex wheels have nylon fibers impregnated with abrasive granules to create a matte finish on metals. They are 3/4" thick with a 1/4" hole for use on a tapered spindle. The fine buff uses aluminum oxide and the medium uses silicon carbide abrasive.

Stock #	Style	Grit	Diameter
BF17.870	Fine	Aluminum Oxide	3"
BF17.871	Medium	Silicon Carbide	3"

Satin Finish Bar

Use this abrasive bar to satin finish small areas of watch cases and for cleaning/rust removal. Swiss.

Stock #	Description
BG5444A	Fine Grit
BG5444B	Medium Grit
BG5444C	Coarse Grit

Mounted Mini-Texturing Wheels

Buff a satin finish onto jewelry, stainless steel and profiled surfaces. Overall length is 1 3/4" long.

Stock #	Style	Diameter
BF804.00	Hard	3/4"
BF806.00	Flexible	3/4"

Satin Finish Buffs

Use to create a satin finish on gold, silver and other metals at a spindle speed of 3450 RPM. Made of synthetic fiber with a reinforced leather center. Use dry for longer life. The 3" buffs are 3-ply and the 4" buffs are 2-ply. Both are 3/4" wide.

Stock #	Style	Diameter	Ply
BF17.898	Coarse	3"	3
BF17.897	Medium	3"	3
BF17.899	Fine	3"	3
BF17.892	Coarse	4"	2
BF17.891	Medium	4"	2
BF17.893	Fine	4"	2

Miniature Matte Wheels

This smaller version of the Norton matte finish buff is 1" in diameter and 1/4" thick. Use with MD43.160 mandrel.

Stock #	Style	Grit
BF17.875	Fine	Aluminum Oxide
BF17.876	Medium	Silicon Carbide

Rouge Buffs

Super Buffs

Super buffs last up to 50% longer with minimal fraying. Made of 100% cotton with the impurities removed for better, lint-free polishing.

Super Buff, Shellac Center

Stock #	Diameter	Stitching	Ply
BF1500	4″	4 Rows	50
BF1501	5″	4 Rows	55
BF1502	6″	4 Rows	60

Super Buff, Plastic Center

Stock #	Diameter	Stitching	Ply
BF1506	4″	4 Rows	36
BF1507	5″	4 Rows	54
BF1508	6″	4 Rows	54

Combed Finex Buffs With Leather Center

Fine grade muslin, loosely sewn, with leather centers to provide a firm grip on spindles. Use with rouge.

Stock #	Diameter	Stitching	Ply
BF743	3″	3 Rows	35
BF744	4″	3 Rows	40
BF745	5″	3 Rows	45
BF746	6″	4 Rows	50

Combed Finex Muslin Buffs with Shellac Centers

Fine grade muslin with shellac centers has combed edges for use with rouge.

Stock #	Diameter	Stitching	Ply
BF862	2½″	2 Rows	30
BF863	3″	3 Rows	35
BF864	4″	4 Rows	50
BF864/60	4″	4 Rows	60
BF865	5″	5 Rows	55
BF866	6″	6 Rows	60
BF866/70	6″	6 Rows	70

Combed Finex Muslin Buffs with Plastic Centers

Unstitched fine grade muslin with plastic centers, used with rouge for a high polish.

Stock #	Diameter	Ply
BF763	3″	36
BF764	4″	36
BF765	5″	54
BF766	6″	54
BF768	8″	54

Berry Buffs for Polishing Platinum

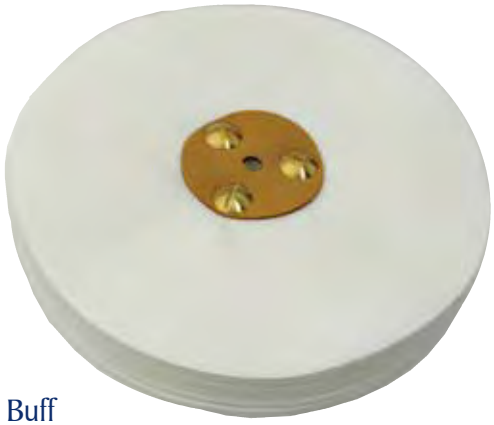
Stiff, chemically treated muslin has good cutting action and high compound retention. Durable and long lasting, these buffs provide a high luster while reducing polishing time. To avoid cross-metal contamination, use these uniquely colored buffs with platinum only.

Stock #	Type	Diameter	Stitching	Ply
BF17.566	Knife	4″	7 Rows	12
BF17.567	Knife	6″	10 Rows	12
BF17.531	Wheel	4″	3 Rows	40
BF17.53101	Wheel	5″	3 Rows	40
BF17.53102	Wheel	6″	4 Rows	50

Dixcel Cotton Flannel Rouge Buffs

Made of fine quality, soft cotton flannel, these cotton buffs produce a bright polish when used with rouge. Stitched, with hardened shellac centers.

Stock #	Diameter	Stitching	Ply
BF782	2″	2 Rows	25
BF783	3″	3 Rows	30
BF784	4″	3 Rows	30
BF785	5″	3 Rows	30
BF786	6″	4 Rows	30
BF788	8″	4 Rows	30



Rolex Buff

Fine, white linen brush recommended by Rolex. To be used with Menzerna PSX401F and PSX402F for final finish. 72 plies. Measures 150mm in diameter and 3/4" thick. Leather center and brass screws. Made in Germany.

Stock #	Diameter	Ply
BF170.845	150mm	72

Orange Buffs

Durable, treated muslin is ideal for use with aggressive compounds to remove scratches from gold and hard metals.

Stock #	Diameter	Stitching	Ply
BF17.524	3″	3 Rows	50
BF17.526	4″	3 Rows	50
BF17.528	5″	5 Rows	60
BF17.529	6″	5 Rows	50

Brilliant Buff

Final finish Egyptian cotton, is infused with rougeless polishing compound to leave a light residue and inhibit tarnish.

Stock #	Dimensions
BF115.00	4½″ x 3/4″

Tripoli Buffs

Yellow Treated Muslin Tripoli Buffs

Chemically treated, high-grade muslin "Chemkote" buffs are more aggressive at removing surface scratches. Holds compounds better and works faster than white muslin.

Stock #	Diameter	Stitching	Ply
BF893	3″	3 Rows	30
BF894	4″	3 Rows	40
BF895	5″	3 Rows	45
BF8955	5″	4 Rows	60

Yellow Treated Knife Edge Muslin Buffs

Made of chemically treated high grade muslin "Chemkote", not only does this buff work faster and last longer, but it is ideal for getting into crevices. Holds compounds better and will not come apart under pressure. Has leather centers for a better hold on spindles.

Stock #	Diameter	Stitching	Ply
BF723	3″	2 Rows	9
BF724	4″	5 Rows	12
BF725	5″	7 Rows	12
BF726	6″	8 Rows	12

Recycled Buffs

Economical polishing buffs repurposed from leftover fabrics from apparel manufacturers.

Stock #	Diameter	Stitching	Ply
BF17.595	Blue Denim	4 x ½″	21
BF17.596	Blue Denim	6 x ½″	24
BF17.597	Olive Khaki	4 x ½″	36
BF17.598	Olive Khaki	6 x ½″	48

Dixcel Muslin Tripoli Buffs

Made of coarse, unbleached muslin, Dixcel tripoli buffs are excellent for use with abrasives for cutting and preparing metals for fine finish. Stitched with hardened shellac centers.

Stock #	Diameter	Stitching	Ply
BF753	3″	3 Rows	35
BF754	4″	3 Rows	42
BF754/30	4″	3 Rows	30
BF755	5″	3 Rows	45
BF755/30	5″	3 Rows	30
BF756/30	6″	4 Rows	30
BF758	8″	4 Rows	55

Economy Chemkote Buffs with Tripoli

Chemically treated, high grade muslin "Chemkote" for more aggressive scratch removal. Shellac centers.

Stock #	Diameter	Stitching	Ply
BF17.605	5″	3 Rows	50
BF17.609	6″	4 Rows	50

Polyimide Tape

Tape areas to remain unpolished.

Style #	Width
TA-M7010	1mm
TA-M7020	2mm
TA-M7030	3mm
TA-M7040	4mm
TA-M7044	4.4mm
TA-M7050	5mm
TA-M7065	6.4mm
TA-M7070	7mm
TA-M7080	8mm
TA-M7090	9mm
TA-M7100	10mm

Miniature and Standard Knife-Edge Felt Buffs

Solid hard felt is tapered to a fine edge for polishing tiny joints. Use mandrel MD43.158 for diameters 1/2" to 1". Use tapered spindles for sizes 1 1/2" to 3".

Stock #	Diameter
BF8704	1/2"
BF8705	5/8"
BF8706	3/4"
BF8707	1"
BF8711	1 1/2"
BF8715	2"
BF8718	2 1/2"
BF8719	3"

1/8" Miniature Felt Wheels

These 1/8" thick felt wheels are manufactured with high-quality wool in a soft or hard firmness. They have pin holes for use with mandrel MD43.128. Made in U.S.A.

Stock #	Style	Diameter
BF8745	Soft	1/2"
BF8783	Hard	1/2"
BF8746	Soft	5/8"
BF8785	Hard	5/8"
BF8747	Soft	3/4"
BF8787	Hard	3/4"
BF8748	Soft	1"
BF8789	Hard	1"

Felt Wheels

These felt wheels are manufactured from high-quality wool in soft, medium, or hard firmnesses. They have pin holes for use with mandrel MD43.128 on 1" diameter wheels. Use tapered spindles for 2" to 4" wheels.

Stock #	Style	Diameter x Thick
BF8749	Soft	1 x 1/4"
BF8790	Medium	1 x 1/4"
BF8800	Medium	1 x 1/2"

Stock #	Style	Diameter x Thick
BF8806	Medium	2 x 1/2"
BF9212	Soft	3 x 1/2"
BF9214	Hard	3 x 1/2"
BF9225	Medium	3 x 1"
BF9247	Medium	4 x 1/2"
BF9248	Hard	4 x 1/2"
BF9253	Medium	4 x 3/4"

Buff Rake

Buff rakes are used to remove the old build-up of compounds from buffs. When pushed against a buff, this tool cleans and fluffs the buff, making it ready for a new charge. Steel mounted on wood.

Stock #	Description
BF117.115	Buff Rake
BF117.115E	Economy Buff Rake

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Ring Buffs

Felt Inside Ring Buffs

Tapered wood mandrels are covered with a high grade of hard or regular white felt which is bonded to the wood for long wear. The mandrel is bored through the center to fit a tapered spindle. The smallest size is suitable for children's rings.

Stock #	Felt	Diameter	Length
BF17.315	Regular	5/16 - 9/16″	3″
BF17.320	Regular	9/16 - 3/4″	3″
BF17.323	Regular	5/8 - 7/8″	4″
BF17.326	Regular	11/16 - 1″	5″
BF17.316	Hard Felt	5/16 - 9/16″	3″
BF17.321	Hard Felt	9/16 - 3/4″	3″
BF17.324	Hard Felt	5/8 - 7/8″	4″
BF17.327	Hard Felt	11/16 - 1″	5″

Tapered Threaded Mandrel

Tapered threaded mandrel with 3/32" shank.

Stock #	Description
MD43.120	3/16″ Screw Length
MD43.122	3/8″ Screw Length

Tapered Threaded Mandrel

Tapered threaded mandrel with 1/8" shank.

Stock #	Description
MD43.150	3/16″ Screw Length
MD43.152	3/8″ Screw Length

Felt Combination Buffs

A combination ring buff and wheel buff is mounted on the same mandrel and bored for use on tapered spindles. Available in square-edge or knife-edge shapes.

Stock #	Wheel Edge	Diameter
BF17.340	Square	1 7/8″
BF17.341	Square	2″
BF17.342	Knife	1 7/8″
BF17.343	Knife	2″

Solid Felt Inside Ring Buffs

Unmounted solid felt is used directly on tapered spindles.

Stock #	Style	Diameter	Length
BF17.333	Hard Felt	9/16 - 3/4″	3″

Miniature Pointed Felt Cones

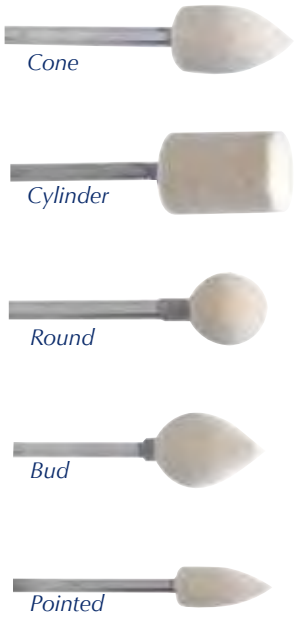
Use these cones of hard, solid felt to polish objects with concave surfaces. Use mandrel MD43.120 or MD43.150.

Stock #	Diameter	Length
BF8475	1/4″	3/8″
BF8476	1/4″	1/2″

Larger Pointed Felt Cones

Solid felt cone with pin-hole center. Use tapered mandrel MD43.122 or MD43.152.

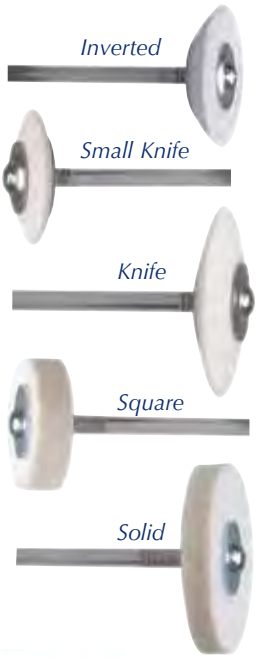
Stock #	Diameter	Length
BF8478	1/2″	1″
BF8479	3/4″	1 1/2″
BF8480	1″	2″



Mounted Midget Felt Buffs

These fine quality, hard felt buffs are designed to exacting specifications: uniform in thickness, balance and concentricity. Specifically designed to be used on flexshafts, they are mounted on 3/32" mandrels.

Stock #	Style	Diameter	Length
BF1085	Cone	5/16"	3/4"
BF1090	Cylinder	3/8"	3/8"
BF1075	Round	5/16"	5/16"
BF1070	Bud	3/8"	3/4"
BF1080	Pointed	1/4"	3/4"
BF1100	Inverted	13/16"	--
BF1105	Sm. Knife	11/16"	--
BF1110	Knife	13/16"	--
BF1115	Square	11/16"	--
BF990	Solid	1"	--



Bergeon Chamois Hand Buffs

Strips of chamois are glued to an 11" long wooden handle. Use for polishing, cleaning and finishing metals and stones. Also used to protect the coil when changing a battery, and pressing the battery into its compartment. Swiss.

Stock #	Size
BG1282A	1/2"- 12mm
BG1282D	1/4" - 6mm

Polishing Buff Stick Covers

Slide-on Plexiglas covers for Bergeon buff sticks.

Stock #	Description
BG4056-6	For 6mm Buff Stick
BG4056-12	For 12mm Buff Stick

Felt Split Laps

These high quality balanced laps feature 1/4" radial slits, providing outstanding visibility of the product being polished. Use rock hard and flint hard laps with gray star, tripoli or bobbing compound. Use medium and hard laps to produce a brilliant finish with yellow, green, or red rouge. 6" diameter x 1/2" thick.

Stock #	Style
BF17.956	Medium Felt
BF17.957	Hard Felt
BF17.958	Rock Hard Felt
BF17.959	Flint Hard Felt

Chamois Hand Buffs

Strips of chamois are glued to an 11" long wooden handle. Use for polishing, cleaning and finishing metals and stones.

Stock #	Size
BF7004	7/8"

Felt Hand Buffs

Hard felt is attached to an 11" x 7/8" wooden handle, to use for polishing, cleaning and finishing metals and stones.

Stock #	Description
BF7000	Felt Hand Buff

Swiss Prong Lifter

Made in Switzerland, this special tool has seven different notches for removing stones from claw settings without damaging the prongs or gems. Made of fine quality, hardened steel with a gray plastic handle.

Stock #	Description
DI139.250	Swiss Prong Lifter

Prong Lifter with PVC Grip

Quality prong lifter is made of tempered steel to allow the user to remove large or small prongs easily without damaging stones. Made in the USA.

Stock #	Description
DI135.10	Prong Lifter

Precision Prong Opener

Durable, precise tempered metal opener. 3⅞" long. Made in the USA.

Stock #	Description
DI145.00	Prong Opener

Prong Pusher

Hardened square steel bit mounted in wood handle is handy for pushing and positioning prongs or points around stones.

Stock #	Description
DI530	Prong Pusher

Bezel Roller

Half-round polished head, specially designed for rolling bezels around larger pieces such as pendants, buckles, and broaches as well as large stone-set rings. Wooden handle.

Stock #	Description
DI540	Bezel Roller

Bezel Pusher

Hardened grooved bit is mounted in a wooden handle for rolling bezels around stones.

Stock #	Description
DI535	Bezel Pusher

Burnishers

Oval shaped and highly polished for smoothing and finishing bezels around stones and other soft metal areas on flat, recessed surfaces. Available with straight or curved blades set into polished wood handles.

Straight	Size	Curved
BS111-1/2	½"	BS121-1/2
BS112	2"	BS122
BS112-1/2	2½"	BS122-1/2

Porosity Killer

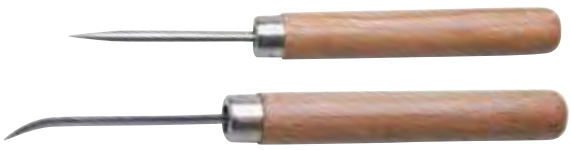
Use with a flexshaft to burnish and fill minor porosity holes in gold, silver, or platinum. Reduces the need for extra filling of holes with solder. With a 3/32" shank.

Stock #	Description
CA5600	Porosity Killer

Red-Handled Burnishers

Burnisher made of stainless steel with comfortable PVC grips is especially handy for smaller tasks. Has a highly polished tip to provide years of service. 6 1/4" long.

Stock #	Description
BS150.00	Set of Two Burnishers
BS150.20	2mm Diameter
BS150.30	3.5mm Diameter



Slim Burnishers with Wood Handles

Highly polished slim steel burnishers with hardwood handles are perfect for smaller jobs, assuring the user a smooth finish every time.

Stock #	Description
BS210.25	2mm Diameter, Straight
BS215.25	2mm Diameter, Curved

Busch Carbide Polishers

Use to create very brilliant polished finishes on gold and platinum.

Stock #	Shape	Head Diameter
BS552	Small Cylinder	2.3mm
BS550	Large Barrel	6.0mm
BS554	Large Pointed Cone	6.0mm
BS553	Slim Point	2.3mm

Margin Roller/Burnisher

Use to burnish scratches from gold, and salvage more pieces without gold loss. The head consists of five steel rollers that act as rotating mallets. With 3/32" shank for use with handpiece. Made in the USA.

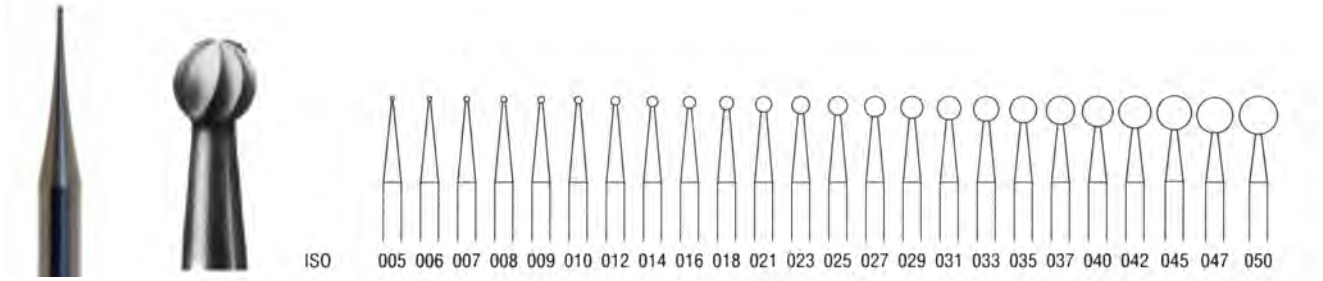
Stock #	Description
BS135	Margin Roller/Burnisher

News You Can Use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

Busch® Burs

These tungsten vanadium steel burs, with a standard 3/32" diameter and 1 3/4" long shanks, have been jewelers' favorites for years. Packaged in boxes of 6. Quantities of less than six are available—for a price break order six each of six different Busch burs (36 total). Made in Germany.



Round Burs, Fig. #1

Size	ISO	mm	Stock #
9/0	0025	0.25	BR1001-9/0
8/0	003	0.30	BR1001-8/0
7/0	0035	0.35	BR1001-7/0
6/0	004	0.40	BR1001-6/0
5/0	005	0.50	BR1001-5/0
4/0	006	0.60	BR1001-4/0
3/0	007	0.70	BR1001-3/0
2/0	008	0.80	BR1001-2/0
0	009	0.90	BR1001/0
½	0095	0.95	BR1001/.5
1	010	1.00	BR1001/1
1½	011	1.10	BR1001/1.5
2	012	1.20	BR1001/2
2½	013	1.30	BR1001/2.5
3	014	1.40	BR1001/3
3½	0145	1.45	BR1001/3.5
4	015	1.50	BR1001/4
4½	0155	1.55	BR1001/4.5
5	016	1.60	BR1001/5
5½	017	1.70	BR1001/5.5
6	018	1.80	BR1001/6
6½	0195	1.95	BR1001/6.5
7	021	2.10	BR1001/7

Size	ISO	mm	Stock #
7½	022	2.20	BR1001/7.5
8	023	2.30	BR1001/8
8½	024	2.40	BR1001/8.5
9	025	2.50	BR1001/9
9½	026	2.60	BR1001/9.5
10	027	2.70	BR1001/10
11	029	2.90	BR1001/11
12	031	3.10	BR1001/12
13	033	3.30	BR1001/13
14	035	3.50	BR1001/14
15	037	3.70	BR1001/15
16	040	4.00	BR1001/16
17	042	4.20	BR1001/17
18	045	4.50	BR1001/18
19	047	4.70	BR1001/19
20	050	5.00	BR1001/20
22	055	5.50	BR1001/22
24	060	6.00	BR1001/24
26	065	6.50	BR1001/26
28	070	7.00	BR1001/28
30	075	7.50	BR1001/30
32	080	8.00	BR1001/32
34	085	8.50	BR1001/34

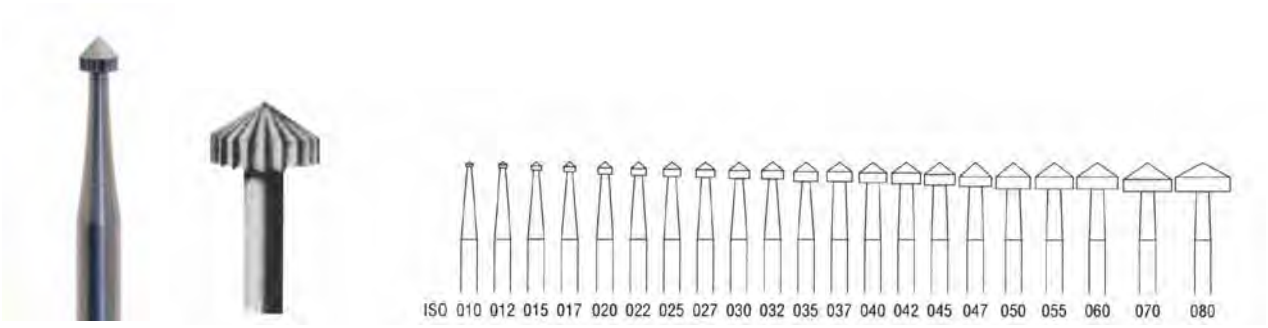
Round Bur Assortment

The most often-used sizes are conveniently packaged for you. Available in two different sets: BR1011/36 has 12 burs sizes 010 to 031. BR1001/38 has six burs sizes 033 to 045.

Stock #	Description
BR1001/36	12 Bur Assortment
BR1001/38	6 Bur Assortment

Rotating Magnetic Bur Holder

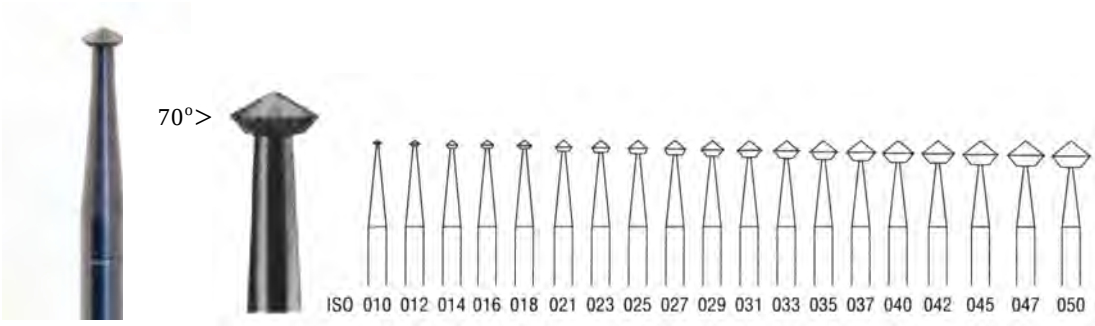
Stock #	Description
HO335.00	Magnetic Bur Holder



Stone Setting, Fig. #413

Size	ISO	mm	Stock #
1	010	1.00	BR413/010
2	0125	1.25	BR413/0125
4	015	1.50	BR413/015
5.5	0175	1.75	BR413/0175
6.5	020	2.00	BR413/020
7.5	0225	2.25	BR413/0225
9	025	2.50	BR413/025
10	0275	2.75	BR413/0275
11.5	030	3.00	BR413/030
12.5	0325	3.25	BR413/0325
14	035	3.50	BR413/035
15	0375	3.75	BR413/0375

Size	ISO	mm	Stock #
16	040	4.00	BR413/040
17	0425	4.25	BR413/0425
18	045	4.50	BR413/045
19	0475	4.75	BR413/0475
20	050	5.00	BR413/050
22	055	5.50	BR413/055
24	060	6.00	BR413/060
26	065	6.50	BR413/065
27	0675	6.75	BR413/0675
28	070	7.00	BR413/070
32	080	8.00	BR413/080
Assortment of 10		1-3.2	BR413/12



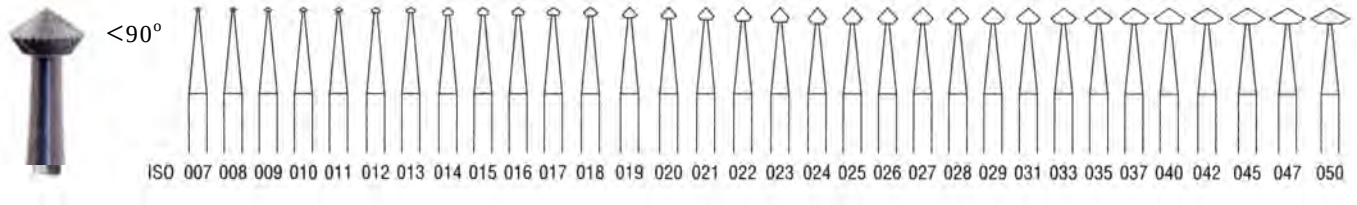
Shallow Hart - 70°, Fig. #446

Size	ISO	mm	Stock #
1	010	1.00	BR446/010
2	012	1.20	BR446/012
3	014	1.40	BR446/014
5	016	1.60	BR446/016
6	018	1.80	BR446/018
7	021	2.10	BR446/021
8	023	2.30	BR446/023
9	025	2.50	BR446/025
10	027	2.70	BR446/027
11	029	2.90	BR446/029

Size	ISO	mm	Stock #
12	031	3.10	BR446/031
13	033	3.30	BR446/033
14	035	3.50	BR446/035
15	037	3.70	BR446/037
16	040	4.00	BR446/040
17	042	4.20	BR446/042
18	045	4.50	BR446/045
19	047	4.70	BR446/047
20	050	5.00	BR446/050

Busch® Burs

These tungsten vanadium steel burs, with a standard 3/32" diameter and 1 3/4" long shanks, have been jewelers' favorites for years. Packaged in boxes of 6. Quantities of less than six are available—for a price break order six each of six different Busch burs (36 total). Made in Germany.



Hart Bur - 90°, Fig #156C

Size	ISO	mm	Stock #
3/0	007	0.70	BR1156C-3/0
2/0	008	0.80	BR1156C-2/0
0	009	0.90	BR1156C/0
1	010	1.00	BR1156C/1
2	012	1.20	BR1156C/2
3	014	1.40	BR1156C/3
4	015	1.50	BR1156C/4
5	016	1.60	BR1156C/5
6	018	1.80	BR1156C/6
7	021	2.10	BR1156C/7
8	023	2.30	BR1156C/8
9	025	2.50	BR1156C/9
10	027	2.70	BR1156C/10
11	029	2.90	BR1156C/11
12	031	3.10	BR1156C/12
13	033	3.30	BR1156C/13
14	035	3.50	BR1156C/14
15	037	3.70	BR1156C/15
16	040	4.00	BR1156C/16
17	042	4.20	BR1156C/17
18	045	4.50	BR1156C/18
19	047	4.70	BR1156C/19
20	050	5.00	BR1156C/20

Cut-Lube™

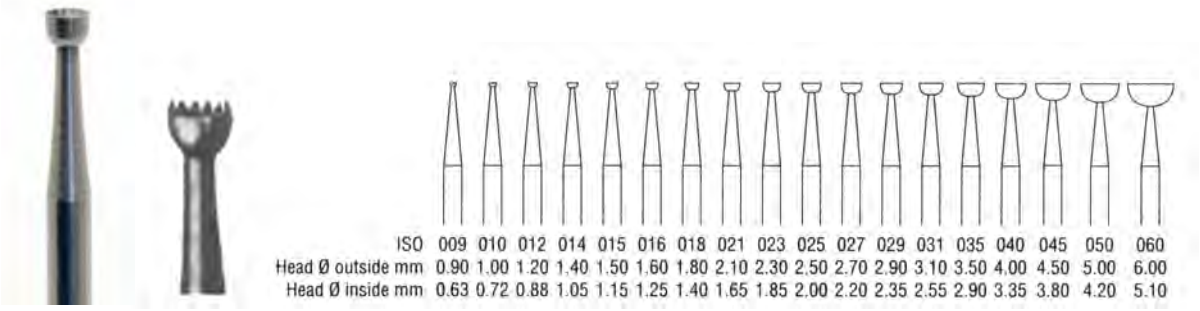
High tech bur, drill and sawblade lubricant reduces friction and heat build-up. Just dip the tool regularly as you work, and Cut-Lube will extend the life of the tool as well as increase its productivity.

Stock #
BR1410

Hart Bur Assortment

The most often-used sizes conveniently packaged for you. Available in two different sets.

Stock #	Sizes	Description
BR1156C/36	010 to 031	12 Burs
BR1156C/38	033 to 0451	6 Burs



Fast Cut Cup, Fig #411C

New style of cup bur designed to cut faster, resulting in longer life of the bur.

Size	ISO	mm	Stock #
1	010	1.00	BR1188C/1
2	012	1.20	BR1188C/2
3	014	1.40	BR1188C/3
4	015	1.50	BR1188C/4
5	016	1.60	BR1188C/5
6	018	1.80	BR1188C/6
7	021	2.10	BR1188C/7
8	023	2.30	BR1188C/8

Cup Burs, Fig. #77B

Size	ISO	mm	Stock #
0	009	0.90	BR1177C/0
1	010	1.00	BR1177C/1
2	012	1.20	BR1177C/2
3	014	1.40	BR1177C/3
4	015	1.50	BR1177C/4
5	016	1.60	BR1177C/5
6	018	1.80	BR1177C/6
7	021	2.10	BR1177C/7
8	023	2.30	BR1177C/8
9	025	2.50	BR1177C/9
10	027	2.70	BR1177C/10
11	029	2.90	BR1177C/11
12	031	3.10	BR1177C/12
14	035	3.50	BR1177C/14
16	040	4.00	BR1177C/16
18	045	4.50	BR1177C/18
20	050	5.00	BR1177C/20
24	060	6.00	BR1177C/24

Cup Assortment

The most often used sizes, conveniently packaged for you. Contains 12 burs, sizes 010 to 031.

Stock #	Description
BR1177C/36	Set of 12 Cup Burs

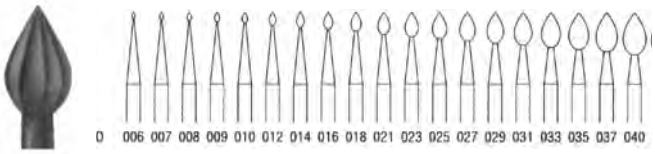
Champion Cup Fox Bur

The Champion Cup has no inner blades, but features two slotted openings opposing each other. Benefits include no clogging, easier cleanup, more productivity and greater durability. This bur is the ideal cup bur for jewelers finishing prongs on a continuous basis.

Stock #	Size
BR951.00	1.00mm
BR951.20	1.20mm
BR951.40	1.40mm
BR951.60	1.60mm
BR951.80	1.80mm
BR952.10	2.10mm

Busch® Burs

These tungsten vanadium steel burs, with a standard 3/32" diameter and 1 3/4" long shanks, have been jewelers' favorites for years. Packaged in boxes of 6. Quantities of less than six are available—for a price break order six each of six different Busch burs (36 total). Made in Germany.



Bud Burs, Fig. #6

Size	ISO	mm	Stock #
4/0	006	0.60	BR1006-4/0
3/0	007	0.70	BR1006-3/0
2/0	008	0.80	BR1006-2/0
0	009	0.90	BR1006/0
1	010	1.00	BR1006/1
2	012	1.20	BR1006/2
3	014	1.40	BR1006/3
4	015	1.50	BR1006/4
5	016	1.60	BR1006/5
6	018	1.80	BR1006/6
7	021	2.10	BR1006/7
8	023	2.30	BR1006/8
9	025	2.50	BR1006/9
10	027	2.70	BR1006/10
11	029	2.90	BR1006/11
12	031	3.10	BR1006/12
13	033	3.30	BR1006/13
14	035	3.50	BR1006/14
15	037	3.70	BR1006/15
16	040	4.00	BR1006/16

Order BR1006/(mm size) for burs sized 4.2 to 8.5mm.

Cone Burs, Fig. #5

Size	ISO	mm	Stock #
4/0	006	0.60	BR1005-4/0
3/0	007	0.70	BR1005-3/0
0	009	0.90	BR1005/0
1	010	1.00	BR1005/1
2	012	1.20	BR1005/2
3	014	1.40	BR1005/3
5	016	1.60	BR1005/5
6	018	1.80	BR1005/6
7	021	2.10	BR1005/7
8	023	2.30	BR1005/8
9	025	2.50	BR1005/9
10	027	2.70	BR1005/10
11	029	2.90	BR1005/11
12	031	3.10	BR1005/12
13	033	3.30	BR1005/13
14	035	3.50	BR1005/14
3.1016	040	4.00	BR1005/16
17	042	4.20	BR1005/17
18	045	4.50	BR1005/18

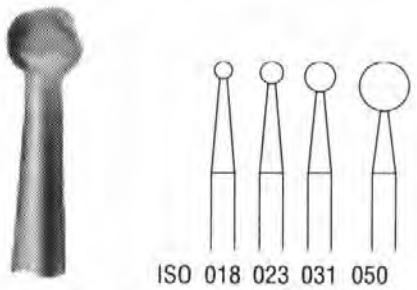
Order BR1005/(mm size) for burs sized 4.7 to 8.5mm.

Krause German Burs, Fig. #256

ISO	mm	Stock #
010	1.0	BR1256/1
012	1.2	BR1256/2

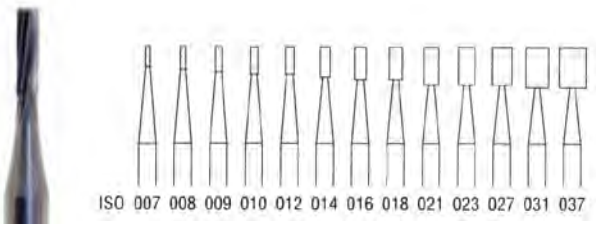
Swiss Krause Burs

ISO	mm	Stock #
010	1.0	BR18.571G
012	1.2	BR18.572G



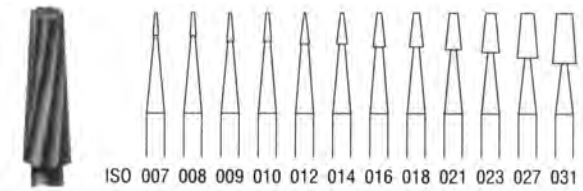
Wax-Carving Burs, Fig. #260A

ISO	mm	Stock #
018	1.8	BR1260/018
023	2.3	BR1260/023
031	3.1	BR1260/031
050	5.0	BR1260/050



Cylinder Square Single Cut, Fig. #15

Size	ISO	mm	Stock #
3/0	007	0.70	BR1015-3/0
2/0	008	0.80	BR1015-2/0
0	009	0.90	BR1015/0
1	010	1.00	BR1015/1
2	012	1.20	BR1015/2
3	014	1.40	BR1015/3
5	016	1.60	BR1015/5
6	018	1.80	BR1015/6
7	021	2.10	BR1015/7
8	023	2.30	BR1015/8
10	027	2.70	BR1015/10
12	031	3.10	BR1015/12



Cone Square Single Cut, Fig. #17

Size	ISO	mm	Stock #
3/0	007	0.70	BR1017-3/0
2/0	008	0.80	BR1017-2/0
0	009	0.90	BR1017/0
1	010	1.00	BR1017/1
2	012	1.20	BR1017/2
3	014	1.40	BR1017/3
5	016	1.60	BR1017/5
6	018	1.80	BR1017/6
7	021	2.10	BR1017/7
8	023	2.30	BR1017/8
10	027	2.70	BR1017/10
12	031	3.10	BR1017/12

Acrylic Bur Block

Attractive 40-hole bur block puts burs, drills, mini brushes and other 3/32" shank tools at your fingertips.

Stock #	Size	Description
HO340.00	4 1/4" x 3" x 3/4"	Acrylic Bur Block

Bur Boxes

Handy wooden bur boxes allow you to organize or create your own assortment.

Stock #	Size	Number holes
BX120.00	3" x 5"	20
BX136.00	4 7/8" x 3"	36
BX172.00	6 1/4" x 3 1/2"	72
BX100.00	5 1/2" x 5 1/2"	100

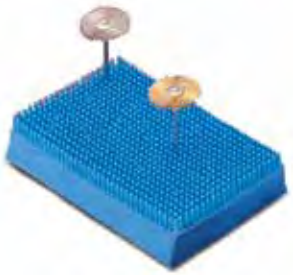
Handy Block

88-hole hardwood block holds 1/8" or 3/32" shank tools. Features stay-put rubber pads on bottom. 4 1/2" x 6".

Stock #
HO348.00

Plastic Bur & Brush Stand

This holder helps keep burs from being lost or damaged. The 5" W x 3" D x 1" H holder keeps burs with 3/32" shanks in place.



Stock #	Description
HO1455	Plastic Bur Stand

Attachable Bur Blocks

These 40-hole bur blocks can attach together to store burs, needle files and drill bits. Size: 4 1/4" x 3 1/8".

Stock #	Description
HO332.10	Block with 3/32" Holes

Busch® Burs

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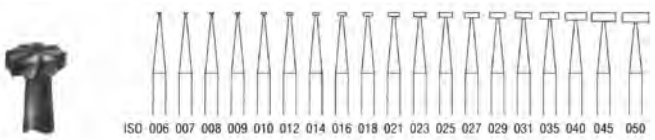
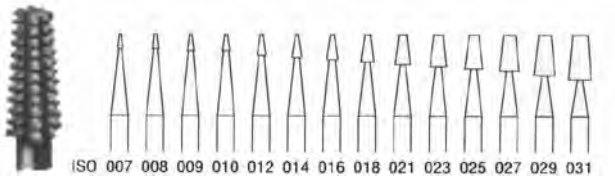


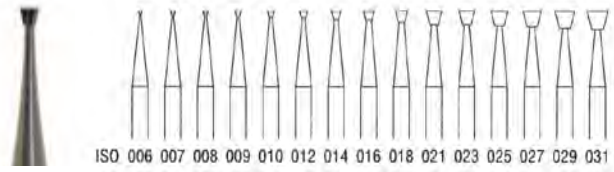
Wheel Burs, Fig. #2

Size	ISO	mm	Stock #
2/0	008	0.80	BR1002-2/0
0	009	0.90	BR1002/0
1	010	1.00	BR1002/1
3	014	1.40	BR1002/3
4	015	1.50	BR1002/4
5	016	1.60	BR1002/5
6	018	1.80	BR1002/6
7	021	2.10	BR1002/7
8	023	2.30	BR1002/8
9	025	2.50	BR1002/9
10	027	2.70	BR1002/10
11	029	2.90	BR1002/11
12	031	3.10	BR1002/12
14	035	3.50	BR1002/14
16	040	4.00	BR1002/16
18	045	4.50	BR1002/18
20	050	5.00	BR1002/20



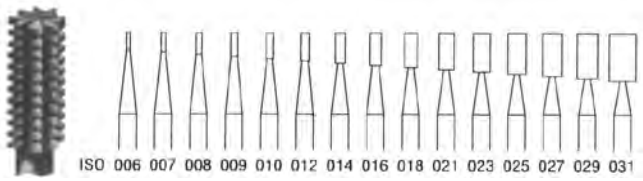
Cone Square Cross Cut, Fig. #23

Size	ISO	mm	Stock #
2/0	008	0.80	BR1023-2/0
0	009	0.90	BR1023/0
1	010	1.00	BR1023/1
2	012	1.20	BR1023/2
3	014	1.40	BR1023/3
4	015	1.50	BR1023/4



Inverted Cone Burs, Fig. #3

Size	ISO	mm	Stock #
4/0	006	0.60	BR1003-4/0
3/0	007	0.70	BR1003-3/0
2/0	008	0.80	BR1003-2/0
0	009	0.90	BR1003/0
1	010	1.00	BR1003/1
2	012	1.20	BR1003/2
3	014	1.40	BR1003/3
4	015	1.50	BR1003/4
5	016	1.60	BR1003/5
6	018	1.80	BR1003/6
7	021	2.10	BR1003/70
8	023	2.30	BR1003/8
9	025	2.50	BR1003/9
10	027	2.70	BR1003/10
11	029	2.90	BR1003/11
12	031	3.10	BR1003/12
13	033	3.30	BR1003/13
14	035	3.50	BR1003/14
15	037	3.70	BR1003/15
16	040	4.00	BR1003/16
17	042	4.20	BR1003/17
18	045	4.50	BR1003/18
19	047	4.70	BR1003/19
20	050	5.00	BR1003/20



Cylinder Square Cross Cut, Fig. #21

Size	ISO	mm	Stock #
0	009	0.90	BR1021/0
1	010	1.00	BR1021/1
2	012	1.20	BR1021/2
3	014	1.40	BR1021/3

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

High Speed Burs

Made of high speed steel for exceptional cutting efficiency and longer wear. Burs have 3/32" shanks.

ISO	mm	Round	Bud	Cone	90°	45°	Flame	Setting
009	.9	BR750/1	-----	-----	BR753/1	-----	-----	BR754/1
011	1.1	BR750/2	BR751/2	BR752/2	BR753/2	BR763/2	BR755/2	BR754/2
013	1.3	BR750/3	BR751/3	BR752/3	BR753/3	BR763/3	-----	BR754/3
015	1.5	BR750/4	BR751/4	BR752/4	BR753/4	BR763/4	BR755/4	BR754/4
017	1.7	BR750/5	BR751/5	BR752/5	BR753/5	BR763/5	-----	BR754/5
019	1.9	BR750/6	BR751/6	BR752/6	BR753/6	BR763/6	BR755/6	BR754/6
021	2.1	BR750/7	BR751/7	BR752/7	BR753/7	BR763/7	-----	BR754/7
023	2.3	BR750/8	BR751/8	BR752/8	BR753/8	BR763/8	BR755/8	BR754/8
025	2.5	BR750/9	BR751/9	BR752/9	BR753/9	BR763/9	-----	BR754/9
027	2.7	BR750/10	BR751/10	BR752/10	BR753/10	BR763/10	BR755/10	BR754/10
029	2.9	BR750/11	BR751/11	BR752/11	BR753/11	BR763/11	-----	BR754/11
031	3.1	BR750/12	BR751/12	BR752/12	BR753/12	BR763/12	BR755/12	BR754/12
033	3.3	BR750/13	BR751/13	BR752/13	BR753/13	BR763/13	-----	BR754/13
035	3.5	BR750/14	BR751/14	BR752/14	BR753/14	BR763/14	BR755/14	BR754/14
038	3.8	BR750/15	-----	-----	BR753/15	BR763/15	-----	BR754/15
040	4.0	BR750/16	BR751/16	BR752/16	BR753/16	BR763/16	BR755/16	BR754/16
043	4.3	BR750/17	-----	-----	BR753/17	BR763/17	-----	BR754/17
045	4.5	BR750/18	BR751/18	BR752/18	BR753/18	BR763/18	BR755/18	BR754/18
047	4.7	BR750/19	-----	-----	BR753/19	BR763/19	-----	BR754/19
050	5.0	BR750/20	BR751/20	BR752/20	BR753/20	BR763/20	BR755/20	BR754/20
052	5.2	BR750/22	BR751/22	BR752/22	BR753/22	BR763/22	BR755/22	BR754/22
054	5.4	BR750/23	-----	-----	BR753/23	-----	-----	BR754/23
056	5.6	BR750/24	BR751/24	BR752/24	BR753/24	BR763/24	BR755/24	BR754/24
059	5.9	BR750/25	-----	-----	BR753/25	-----	-----	BR754/25
063	6.3	BR750/26	BR751/26	BR752/26	BR753/26	BR763/26	BR755/26	BR754/26
067	6.7	BR750/27	-----	-----	BR753/27	-----	-----	BR754/27
072	7.2	BR750/28	BR751/28	BR752/28	BR753/28	BR763/28	-----	BR754/28
076	7.6	BR750/29	-----	-----	BR753/29	-----	-----	BR754/29
080	8.0	BR750/30	BR751/30	BR752/30	BR753/30	BR763/30	BR755/30	BR754/30
089	8.9	BR750/31	-----	-----	BR753/31	-----	-----	BR754/31
096	9.6	BR750/32	BR751/32	BR752/32	BR753/32	-----	-----	BR754/32
04	10.4	BR750/33	-----	-----	BR753/33	-----	-----	BR754/33
111	11.1	BR750/34	BR751/34	BR752/34	BR753/34	BR763/34	-----	BR754/34

High Speed Bur Assortments

High Speed Setting Bur Sets

Burs sets have each hole is marked with the appropriate bur size for your convenience. 3/32" shanks.

Stock #	Style	Bur Quantity	Sizes
BR781	Setting	18	#1-18
BR782	Setting	25	#1-26
BR785	Setting	33	#1-34
BR786	Setting, Extra Fine	23	#3-26
BR771	Round	18	#1-18
BR772	Round	25	#1-26
BR775	Round	33	#1-34
BR792	Bearing 90°	18	#1-18
BR791	Bearing 90°	25	#1-26
BR795	Bearing 90°	33	#1-34
BR814	Bearing 45°	18	#2-19
BR820	Bearing 45°	24	#1-25

High Speed Burs

Made of high speed steel for exceptional cutting efficiency and longer wear. Burs have 3/32" shanks and are 1 3/4" long.

ISO	mm	Wheel S Edge	Wheel R Edge	Tree Cross Cut	Cylinder	Inverted Cone	Cone Reamer	Slim Reamer
017	1.7	BR756/5	BR757/5	BR758/5	BR759/5	BR760/5	-----	-----
023	2.3	BR756/8	BR757/8	BR758/8	BR759/8	BR760/8	-----	-----
025	2.5	-----	-----	-----	-----	-----	BR761/9	BR762/9
033	3.3	BR756/13	BR757/13	BR758/13	BR759/13	BR760/13	-----	BR762/13
040	4.0	BR756/16	BR757/16	-----	BR759/16	-----	-----	-----
047	4.7	BR756/19	BR757/19	BR758/19	BR759/19	BR760/19	-----	BR762/19
063	6.3	BR756/26	BR757/26	BR758/26	BR759/26	BR760/26	BR761/26	-----
080	8.0	BR756/30	BR757/30	BR758/30	BR759/30	BR760/30	BR761/30	-----
111	11.1	BR756/34	BR757/34	-----	BR759/34	-----	BR761/34	-----

Busch Super Carbide Burs - Type FG

Super carbide burs are unaffected by temperature and have high wear resistance. 1/16" shanks, and 3/4" long.

ISO	mm	Round	Cylinder Square	Cone Square Cross Cut	Long Square Cross Cut
008	0.80	BR1201/008HP	BR1215/008HP	-----	-----
009	0.90	BR1201/009HP	BR1215/009HP	BR1223/009HP	BR1223L/009HP
010	1.00	BR1201/010HP	BR1215/010HP	BR1223/010HP	BR1223L/010HP
012	1.20	BR1201/012HP	BR1215/012HP	BR1223/012HP	BR1223L/012HP
014	1.40	BR1201/014HP	BR1215/014HP	BR1223/014HP	BR1223L/014HP
016	1.60	BR1201/016HP	BR1215/016HP	BR1223/016HP	BR1223L/016HP

Carbide Steel Inside Ring Burs

Specially designed for deburring, smoothing, and finishing of inside ring surfaces. Made of carbide steel for extra long life and exact cutting every time.

Stock #	Head Diameter	Head Length	Shank Diameter	Grit
BR1401	1/4″	1/2″	3/32″	Fine
BR1402	1/4″	1/2″	3/32″	Extra Fine
BR1403	1/4″	1/2″	3/32″	Extra Coarse
BR1404	3/8″	3/4″	1/8″	Fine
BR1406	3/8″	3/4″	1/8″	Extra Coarse

High Speed Steel Rotary Files

Made of high speed steel. Ideal for a variety of jobs, especially inside ring work.

Stock #	Head Diameter	Head Length	Shank Diameter	Grit
BR1415	1/2″	1″	1/8″	Fine
BR1416	1/2″	1″	1/8″	Medium
BR1417	1/2″	1 1/2″	3/32″	Fine
BR1418	1/2″	1″	3/32″	Medium

Solid Carbide Florentine Burs

Long-lasting carbide burs with 1/8" shanks.

Stock #	Diameter	Cut Lng	Shape
BR1420	1/8″	1/2″	Pointed
BR1421	1/8″	1/2″	Cylinder
BR1422	5/32″	5/32″	Barrel

Bur Gauge

Precision, Swiss-made gauge measures bur diameters in ISO sizes 005 to 045, with a metric ruler on the back.

Stock #	Item
GA35.465	Bur Gauge

Diamond Fly Wheels

This special, bright diamond-edged cutting tool allows the production of a wide variety of designs. Use with a #35 high-speed handpiece up to 35,000 RPM. This tool is available with a 4mm shaft, or request 3mm shafts. 1 1/4" long. Delicate tool, no warranty. Made in the USA.

Stock #	Edge shape
FY100.90	90°
FY101.20	120°
FY101.30	130°
FY101.50	150°
FY101.80	180°

Rotating Bur Organizer

Stop wasting time searching for lost burs. This organizer holds up to 156 items with 108 spaces for 3/32" burs and 48 spaces for 1/8" burs.

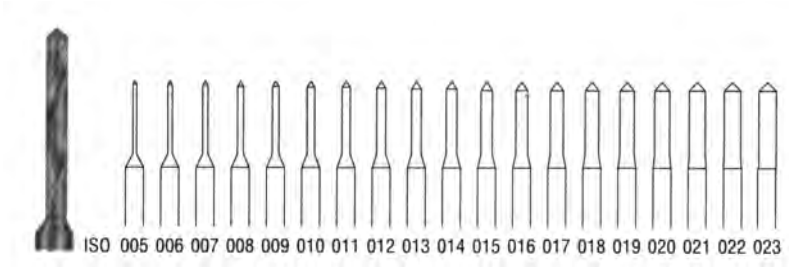
Stock #
HO355.00

Additional organizers in the Bench section.

Handy Bur Box

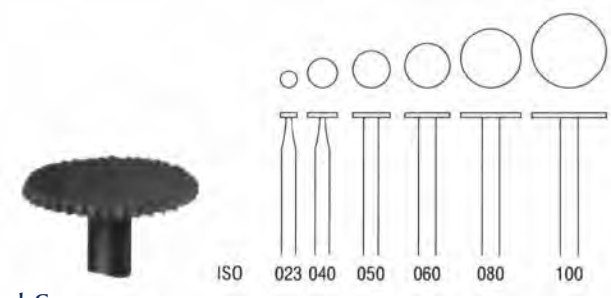
This wooden box is ideal for organizing plastic bur boxes. Removable dividers ensure the burs are kept upright for easy identification.

Stock #	Item
HO350.00	Wooden Bur Box



Busch Twist Drills, Uniform Shank 3/32"- Individual Sizes

Inches	mm	Stock #
.0197	.50	DR1077/005
.0236	.60	DR1077/006
.0276	.70	DR1077/007
.0315	.80	DR1077/008
.0354	.90	DR1077/009
.0393	1.00	DR1077/010
.0433	1.10	DR1077/011
.0472	1.20	DR1077/012
.0478	1.30	DR1077/013
.0551	1.40	DR1077/014
.0591	1.50	DR1077/015
.0630	1.60	DR1077/016
.0669	1.70	DR1077/017
.0709	1.80	DR1077/018
.0748	1.90	DR1077/019
.0788	2.00	DR1077/020
.0827	2.10	DR1077/021
.0875	2.20	DR1077/022
.0906	2.30	DR1077/023



Mounted Saws

Inches	mm	Stock #
023	2.3	BR1231/023
040	4.0	BR1231/040
050	5.0	BR1231/050
060	6.0	BR1231/060
080	8.0	BR1231/080
100	10.0	BR1231/100

Drill Assortment

The most often used sizes conveniently packaged, all with 3/32" shafts. Contains 12 drills in sizes .6 - 2.3mm.

Stock #	Description
DR1077/36	Set of 12

Diamond Coated Uniform Shank Drill Bits

Electroplated diamond particle drill bits from 1.0mm to 2.1mm with 3/32" shafts. Use with water as a lubricant.

Stock #	Description	Grit
DB210.00	Set of 6	Medium

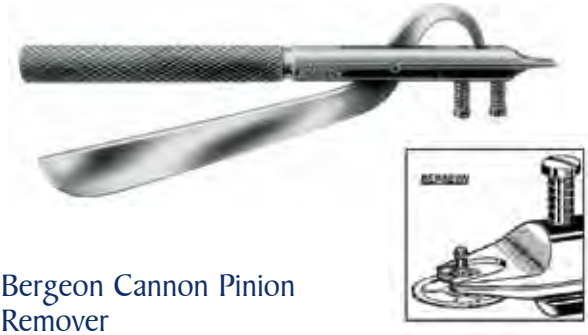
News You Can Use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

Bergeon Cannon Pinion Tightening Plier

Use this end cutting plier with an adjustable stop to get a tighter fit on cannon pinions. Swiss.

Stock #	Description
BG4733	Cannon Pinion Plier



Bergeon Cannon Pinion Remover

Use this plier for separating and removing the cannon pinion from the center wheel. 120mm long. Swiss.

Stock #	Description
BG2030-113A	Wrist Watch CP Remover
BG2030-113	Pocket Watch CP Remover

Cannon Pinion Remover

Wooden-handled remover is adaptable for all calibers. 130mm long. Swiss.

Stock #	Description
BG4854	Pinion Remover

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Case & Crystal Presses

Attachment posts uses threaded shafts to attach dies.

Bergeon Professional Crystal Press

Fit regular crystals and tension ring crystals. Includes 12 reversible, tapered upper fixtures from 15 to 44mm, nine lower convex plastic fixtures from 12 to 40mm, nine lower reversible fixtures from 16 to 33mm, a universal lower stake, crystal press and large wooden base to store fixtures. Swiss.

Stock #	Description
BG5500A	Pro Crystal Press

Bergeon Professional Crystal Press

Set has nine reversible upper dies 18-35mm for tension ring crystals, one universal stake and crystal press on wooden stand. Swiss.

Stock #	Description
BG5500C	Reduced Set
BG5500	Press Only

Lower Universal Stake

Stock #	Diameter
BG5500/31	36mm

Lower Fixture

Stock #	Diameter
BG5500/32	10mm
BG5500/33	8mm

Upper Fixture Holder

Stock #
BG5500BR

Lower Fixture Holder

Stock #	Size
BG5500/T05	5mm
BG5500/T21	21mm
BG5500/T28	28mm

Shown with most popular dies. Dies are sold separtely.

Swiss Heavy Duty Press

Heavy duty press with long arm gives great leverage, power, and control. Ideal for mineral glass crystals with gaskets, tension ring crystals and case back closing where even pressure is a necessity. Base measures 11" x 4.2", height is 7.1". Weighs 14 pounds. Swiss.

Stock #	Description
BG6173	Heavy Duty Press

Horotec Compact Case Back & Crystal Press

Close case backs or press in mineral glass crystals with this solid press. Threads provides power for stubborn snapbacks and control for mineral glass crystals. Includes CO-M106 die set. Measures 80mm W x 60mm D x 135mm H.

Stock #	Description
CO-M105	Case Back and Crystal Press

Horotec Heavy Duty Case Back & Crystal Press

Use this solid press to close case backs or press in mineral glass crystals. Rack and pinion drive provides power for stubborn snapbacks and control for mineral glass crystals. Holds any of the screw-on fixtures shown in this section and either threaded or plain 8mm hole dies. Measures 110mm W x 95mm D x 180mm H. Diameter of black knob handle is 55mm.

Stock #	Description
CO-M161	Heavy Duty Press

Horotec Compact Case Back & Crystal Press

Close case backs or press in mineral glass crystals with this solid press. Threads provide power for stubborn snap-backs and control for mineral glass crystals. Press holds both screw-type dies and snap-on dies with 8mm hole. Measures 110mm W x 95mm D x 190mm H.

Stock #	Description
CO-M130	Compact Press

Straight Wall Pressing Dies

Straight wall dies to press bezels and case backs.

Stock #	Description
BG5499-08	8 Dies 27-34mm
BG5499-15	15 Dies 22-36mm

Tapered Reversible Duraluminum Dies

Tapered aluminum dies for extra-large tapered mineral glass crystals. Fits presses BG6173 and BG5500.

Stock #	Description
BG5500-4-XL	Four Piece Assortment
BG5500/39	52 x 50mm
BG5500/40	56 x 54mm
BG5500/41	60 x 58mm
BG5500/42	64 x 62mm

Lower Convex Dies

Black Bakelite.

Stock #	Diameter
BG5500/01	40mm
BG5500/02	36mm
BG5500/03	32mm
BG5500/04	28mm
BG5500/05	24mm
BG5500/06	20mm
BG5500/07	16mm
BG5500/08	14mm
BG5500/09	12mm

Reversible Tapered Dies

Polished duraluminum tapered dies.

Stock #	Diameter
BG5500/42	64 x 62mm
BG5500/41	60 x 58mm
BG5500/40	56 x 54mm
BG5500/39	52 x 50mm
BG5500/37	48 x 46mm
BG5500/10	44 x 42mm
BG5500/11	40 x 38mm
BG5500/12	35 x 34mm
BG5500/13	33 x 32mm
BG5500/14	31 x 30mm
BG5500/15	29 x 28mm
BG5500/16	27 x 26mm
BG5500/17	25 x 24mm
BG5500/18	23 x 22mm
BG5500/19	21 x 20mm
BG5500/20	19 x 18mm
BG5500/21	17 x 15mm
BG5500/34	14 x 12mm
BG5500/35	11 x 9mm
BG5500J	Set of 13 Dies

Reversible Lower Dies

Duraluminum.

Stock #	Diameter
BG5500/38	36 x 34mm
BG5500/22	33 x 32mm
BG5500/23	31 x 30mm
BG5500/24	29 x 28mm
BG5500/25	27 x 26mm
BG5500/26	25 x 24mm
BG5500/27	23 x 22mm
BG5500/28	21 x 20mm
BG5500/29	19 x 18mm
BG5500/30	17 x 15mm
BG5500/36	14 x 12mm
BG5500K	Set of 11 Dies

Flat Delrin Dies

Assortment contains dies 19mm-40mm. Thickness 18mm. Use flat Delrin accessory dies for the BG6173 press to fit mineral glass crystals and to close case backs. Threaded holes also fit BG5500 and Horotec presses. Swiss.

Stock #	Description
BG6527-6P	Six Piece Assortment
BG6527-19	Individual 19mm
BG6527-22	Individual 22mm
BG6527-30	Individual 30mm
BG6527-35	Individual 35mm
BG6527-40	Individual 40mm

Flat Large Delrin Dies

Assortment contains dies 45mm-65mm. Thickness 20mm. Threaded holes also fit BG5500 and Horotec presses.

Stock #	Description
BG6527-5P-XL	Five Piece Assortment
BG6527-45	Individual 45mm
BG6527-50	Individual 50mm
BG6527-55	Individual 55mm
BG6527-60	Individual 60mm
BG6527-65	Individual 65mm

Tapered Delrin Dies

Assortment contains dies 19mm-40mm. Thickness 14mm. Fit domed mineral glass crystals to waterproof cases. Use with presses BG6173 and BG5500. Also fits Horotec presses.

Stock #	Description
BG6527-6CP	Six Piece Assortment
BG6527-19C	Individual 19mm
BG6527-22C	Individual 22mm
BG6527-30C	Individual 30mm
BG6527-35C	Individual 35mm
BG6527-40C	Individual 40mm

Tapered Delrin Large Dies

Assortment contains dies 45mm-65mm. Thickness 20mm. Fit domed mineral glass crystals to waterproof cases. Use with presses BG6173, BG5500, and Horotec presses.

Stock #	Description OD
BG6527-5CP-XL	Five Piece Assortment
BG6527-45C	Individual 45mm
BG6527-50C	Individual 50mm
BG6527-55C	Individual 55mm
BG6527-60C	Individual 60mm
BG6527-65C	Individual 65mm

Case & Crystal Presses

Note: All dies on this page fit Bergeon and Horotec presses.

Delrin Screw-on Horotec Dies

Reversible dies for closing snap-back watch cases.

Stock #	Description
CO-M106	17mm-45mm

Delrin Screw-on Horotec Dies

Reversible dies for closing snap-back watch cases.

Stock #	Description
CO-M107	40mm-50mm

Delrin Screw-on Horotec Dies

Reversible dies for closing large snap-back watch cases.

Stock #	Description
CO-M108	46mm-65mm

Delrin Screw-on Horotec Dies

Reversible dies for fitting watch bezels.

Stock #	Description
CO-M6521	25mm-38mm

Delrin Screw-on Horotec Dies

Reversible dies for crystals with tension rings.

Stock #	Description
CO-M6522	15mm-41mm

Delrin Screw-on Horotec Dies

Reversible dies for fitting flat mineral crystals.

Stock #	Description
CO-M6520	16mm-46mm

Delrin Screw-on Horotec Dies

Reversible dies for fitting large flat mineral crystals.

Stock #	Description
CO-M6524	47mm-65mm

Delrin Screw-on Horotec Dies

Reversible dies for fitting high-domed crystals.

Stock #	Description
CO-M6526	18mm-65mm

Large Bezel Dies

Reversible bezel dies. Use with presses BG6173 or BG5500. Aluminum with nylon threaded inserts.

Stock #	Description
CO551	50-64mm

Bezel Dies for Rolex

Aluminum with plastic inserts. Inside diameters: 19, 22, 22.5, 26, 28, 30, 31.5mm.

Stock #	Description
CO550	Set of 7 Dies

Case Press with 14 Nylon Dies

Cast metal case press has exclusive straight-wall nylon dies that will not scratch crystals. Snap-on system allows dies to snap on and off quickly and face-down configuration allows the repair person to see the case back being closed. Set of 14 Dies. Straight Wall 18, 20, 24, 28, 30, 32, 36mm. Flat 16, 20, 24, 28, 30, 36. Use 18mm Straight Wall Die for 18mm Flat Die. Instructions included.

Stock #	Description
CRY905.00	Case Press with 14 Nylon Dies
CRY905.10	Set of Replacement Dies for CRY905.00

Nylon Dies

Bezel Dies for Rolex. Straight Wall 22, 26, 30, 31mm, Flat 24, 32mm.

Stock #	Description
CRY905.15	Set of 6 Dies

Nylon Dies

Set of 8 Extra Large Dies. Flat 35, 40, 45mm, Reversible Tapered 40-42.5, 45-47.5, 50-52.5, 54-55, 56-57mm.

Stock #	Description
CRY905.21	Set of 8 Dies

Nylon Dies

Set of 5 Rectangular Dies. 16, 18, 20, 22, 25mm.

Stock #	Description
CRY905.25	Set of 5 Dies

Case Back and Crystal Press

Complete set for fitting G-S tension ring crystals and PA waterproof crystals. Also opens and close conventional and digital watch cases. Includes 20 adapter cups, six rubber plugs, and four plastic-lined rectangular adapters.

Stock #	Description
GS-HP5	Case Back Crystal Press, 30 Pieces, as shown

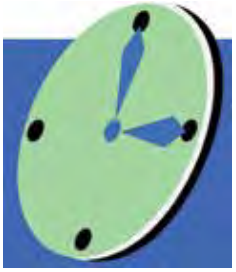
Reduced Set Case Back and Crystal Press

For closing snap back watch cases. Includes six round and four plastic-lined rectangular pressing fixtures.

GS-HP6	Case Back Press,10 Pieces

Individual Replacement Parts

Stock #	Description
GS-HP1	Inserter Press Only
GS-070	Handle Only for Press
GS-061	20 Metal Fixtures to Convert HP6 to HP5 Set
GS-HPS	Spring to Hold Top Fixture
GS-HPP	Drive Pen Holds Fixture
GS-TR13	13 Plastic Rings for Round Fixtures
GS-RA4	4 Rectangular Fixtures
GS-ADPT	Individual Fixtures (State Fixture Number)



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Case & Crystal Presses

Heavy Duty BB Style Snap-on Crystal & Case Press

This popular heavy-duty press sits on the bench or counter. It has a plier-type grip for applying pressure and aluminum dies. Set of 15 reversible straightwall/tapered dies, 32.5mm-18.5mm inside diameter. Includes 1 flat 20mm die.

Stock #	Description
CO502F	Press with Dies

Aluminum Snap-on Fixtures For BB Case Press

Stock #	Description
CO508	Set of 8 Men's Straight Wall Fixtures
CO509	Set of 8 Ladies' Straight Wall Fixtures
CO504	Set of Tapered 16.8-35.8mm, Flat-20.8, 25.8, 30.8mm
CO5140	Set of 3 Flat 20.8, 25.8, 30.8mm
CO506	Set of 2 Flat Fixtures-32 & 34mm
CO507	Set 2 Large Straight Wall Fixtures 35 & 36mm
CO510	Set of 4 Extra-Large Straight Wall Fixtures
	37-37.5, 38-38.5, 39-39.5, 40-40.5mm

Heavy Duty Green Plastic Bezel Dies

Green plastic bezel dies for Rolex. Use with CO502F press. Includes one each of the following dies:

28mm OD x 21.5mm ID
32.8mm OD x 26.1mm ID
37.7mm OD x 31mm ID

Stock #	Description
CO515	Set of 3 Dies for Rolex

Set of 6 BB Style Reversible Tapered/Straightwall

Includes one each of the following reversible dies:
Tapered 45mm/Straight 47mm
Tapered 53mm/Straight 50mm
Tapered 55mm/Straight 54mm
Tapered 57mm/Straight 55mm
Tapered 60mm/Straight 58mm
Tapered 64mm/Straight 62mm

Stock #	Description
CO520	Set of 6 Extra Large Reversible Dies

Bezel Fixtures For BB Style Snap-on Case Press

Includes one each of the following nylon, straightwall dies:
27mm OD x 18.8mm ID
29.7mm OD x 21.6mm ID
30.3mm OD x 22.2mm ID
34.1mm OD x 26mm ID
37mm OD x 28.2mm ID
38.2mm OD x 29.9mm ID
39.4mm OD x 31.1mm ID

Stock #	Description
CO514M	Set of 7 Metal Bezels with Nylon Inserts

Compact Heavy Duty Case Opener

Waterproof case back opener has a large turning wheel and a larger base for accessory storage. Includes universal friction-grip dies plus dies to fit Rolex and Baume & Mercier. Measures 160mm W x 220mm D x 260mm H. Nine pounds. Swiss.

Stock #	Description
CO-M363	WP Case Opener

Red Friction Grip Dies

Fits BG5700RO, BG5700Z, CO-M320. Opens and closes screw backs and screw-on bezels. Red dies are durable, soft plastic that won't mar cases. Swiss.

Stock #	Description
CO-M333	Set of 7 Red Suction Dies, 16-40mm
CO-M343	Set of 10 Red Suction Dies, 16-55mm

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Compact Heavy Duty Case Opener

Use to open and close screw-type waterproof case backs. The case holder is removable from the sturdy steel and aluminum constructed frame. Complete with four pairs of pins for various types of case back notch styles. Measures 110 W x 98 D x 180 H mm. 3.5 pounds. Swiss.

Stock #	Description
CO-M320	WP Case Opener

Red Dies Available Separately

Stock #	Outside Diameter	Stock #	Outside Diameter
CO-M333/16	16mm	CO-M333/34	34mm
CO-M333/20	20mm	CO-M333/40	40mm
CO-M333/23	23mm	CO-M333/45	45mm
CO-M333/26	26mm	CO-M333/50	50mm
CO-M333/30	30mm	CO-M333/55	55mm

Green Friction Grip Dies (Not Shown)

Green suction dies have a slightly harder friction material.

Stock #	Description
CO-M325	Set of 7 Green Suction Dies, 16-40mm

Green Dies Available Separately

Stock #	Outside Diameter	Stock	Outside Diameter
CO-M325/16	16mm	CO-M325/30	30mm
CO-M325/20	20mm	CO-M325/34	34mm
CO-M325/23	23mm	CO-M325/40	40mm
CO-M325/26	26mm		

Case Opening Knife

A small hardwood handle and a precisely beveled, tempered steel blade helps to properly grip snap-on case backs when prying open. 4½" long.

Stock #	Description
CO625	Case Opening Knife

Top Quality Thin Pocket Knife

Perfect for carrying in a pocket, this knife is extremely flat and features a standard blade on one end and a case opening blade on the other. Manufactured by Wenger, the company that manufactures Swiss Army Knives. Stainless steel.

Stock #	Description
KN883.00	Thin Pocket Knife

Case Opening Pocket Knife

One end of this Swiss knife has a case-opening blade and the other has a regular knife blade. Folds for safe storage.

Stock #	Description
BG6403	Folding Case Knife

Citizen Push-Type Case Opener

Wide shape offers good leverage and hand comfort. Place the blade under the case back and twist.

Stock #	Description
CO-CTA006	Citizen Opener
CO615	Economy Opener

Bergeon Heavy Duty Case Opener

Case opener knife has larger knurled handle for a better grip and a replaceable blade. Swiss.

Stock #	Description
BG6987	Right-handed Opening Lever
BG6987G	Left-handed Opening Lever
BG6987-10	Right Replacement Blade
BG6987-20	Left Replacement Blade

Bench Knife

Use this traditional bench knife for a wide variety of tasks, especially scraping and prying. The sturdy stainless steel blade mounted in a hardwood handle is shaped to fit the hand. 6" long.

Stock #	Description
KN626	Traditional Bench Knife

Bench Knife

Deluxe bench knife features riveted handle and tempered blade and is excellent for opening watch cases. 5¼" long.

Stock #	Description
KN970.00	Deluxe Bench Knife

Snap-back Case Knives

Knife has a fixed, tempered steel blade which does not fold into the plastic handle. 4" long.

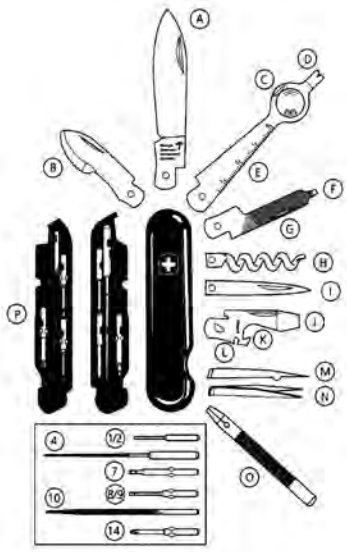
Stock #	Description
BG4932	Swiss Model
KN160.00	Economy Model

Wenger Genuine Watchmaker's Knife

This Wenger genuine watchmaker's knife is specially designed for watchmaking and micro-technology. In addition to its range of 15 classic tools and functions, it features an exclusive, integrated tool tray containing many specialized Bergeon tools. Swiss.

Stock #	Description
BG1550-46	Watchmaker's Knife

Functions and Tools



A. Large Blade
B. Case-Opener
C. Magnifying Glass
D. Spring Bars Tool
E. Small Rule, Graduated in mm
F. Screwdriver No. 0
G. Metal File
H. Corkscrew
I. Reamer
J. Flat-head Screwdriver w/ Lock
K. Cap Lifter
L. Wire Bender
M. Oil-pike
N. Fine Tweezers
O. Tool Holder
P. Tool tray with Numbered Slots

Snap-back Case Opener

Built in roller prevents marring when applying pressure.

Stock #
OME-4009070

Snap-back Case Opener

Special cylindrical, spoon-shaped blade opens most cases with press-fit backs. Swiss.

Stock #	Description
KN155.00	Case Opener

Bergeon Case Opening Lever

Unique, easy-to-use lever pries up the case back with little effort. Swiss.

Stock #	Description
BG4755	Opening Lever

Case Opener for Gucci Watches

Unique case opener made for the Gucci bangle-style cases, which have an opening notch directly under the band.

Stock #	Description
CO758	Case Opener

Bergeon Double Lever Case Opener

Has two edges for opening snap-back cases, one on the end and one on the side. Smaller-than-usual edges make this an ideal tool for more delicate cases.

Stock #	Description
BG6484	Case Opener

Snappy Case Opener

Case knife combined with an automatic punch makes opening watch cases easier. Instructions included.

Stock #	Description
KN168.00	Case Opener

Horotec Snap-back Opener

Horizontal-type vise with center support allows for positioning blades on two sides at once. The blades are forced in with a few turns of the knob. Two pairs of blades included, 2mm and 4mm. Swiss.

Stock #	Description
CO-M115	Snap-back Opener
CO-M115/2	Replacement 2mm Blade
CO-M115/4	Replacement 4mm Blade

Seiko® "Easy Snap" Case Opener

Minimize scratched cases, scraped movements and cut fingers. The vise holds the case in the correct position and the blade is inserted with a few turns of the knob, always under control, no slipping or scratching. Instructions and a spare blade included.

Stock #	Description
CO-S261	Easy-Snap Opener
CO-S261-01	Opener Blades Set of 2
CO-S261-03	Case Holding Posts Set of 2

CO-M114

CO114E

Snap-back Case Opener

This dual action case opener combines a screw vise with a lever mechanism to open snap-backs easily.

Stock #	Description
CO-M114	Snap-back Opener
CO-M114/A	Replacement Blade
CO114E	Economy Opener
CO-M114E/BLADE	Economy Replacement Blade

Suction Case Opener

Lifts case off screwback/waterproof watches after it has been loosened. Rubber tip will not scratch cases or crystals. Twisting motion applies suction to case to open it.

Stock #	Description
BG2533	Swiss Made Opener
CO630	Imported Economy Opener

Flexible Ball Watch Case Opener

Quickly remove case back by placing this high friction ball on the watch back and twisting it.

Stock #	Description
CO-BALL	Ball Case Opener

Rubber Grip Case Opener

Opens and closes screwbacks and bezels. Features two different openings for both small and large size watches. Fits 0-18 size watches.

Stock #	Description
CO59048	Rubber Grip Opener

Pocket Sized Case Wrench

This compact case wrench has two pins for use on regular slotted screwback cases. $2^{3}/_{4}$" x $1^{1}/_{2}$".

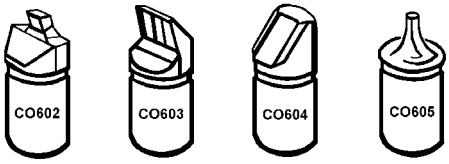
Stock #	Description
CO610	Economy, up to 50mm Cases
CO611	Jumbo, up to 60mm Cases
CO761	Swiss, up to 50mm Cases

CO655.00

LG "Openall" WP Case Opener

Open Rolex case backs using six knurled rings with the CO600 LG Master case wrench in conjunction with this tool. Select a sturdy frame which fits into bench vise CO650.00 or the screw down base CO655.00. Made in the USA.

Stock #	Description
CO655.00	Case Opener with Base and Metal Holder
CO650.00	Case Opener with Metal Holder, Use with a Vise
CO650.10	Base Only



LG Master Case Wrench Parts

Stock #	Description
CO601	4 Sets of Pins, 3 Each

Pins For Casebacks	Description
CO602	Notches or Slots
CO603	Many Flat Sides
CO604	Knurled Edges
CO605	Holes

Not shown

CO607	Center Shaft
CO609	Thumb Screw

Replacement Rings to fit Rolex

CO651/1	18.5mm
CO651/2	20.2mm
CO651/3	22.5mm
CO651/4	26.5mm
CO651/5	28.3mm
CO651/6	29.5mm
CO651/7	Replacement Center Pin

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LG "Openall" WP Case Opener

Open Rolex case backs using six knurled rings with the LG Master case wrench in conjunction with this tool. Select a sturdy frame which fits into bench vise CO650.00 or the screw down base CO655.00. Made in the USA.

Stock #	Description
CO656.00	Case Opener with Nylon Holder, Use with a Vise
CO650.10	Base Only
CO177.00	Nylon Holder Only

LG Master Case Wrench

Includes four sets of pins, 3 each of shapes shown. Fits up to 38mm case backs. Made in the USA.

Stock #	Description
CO600	LG Wrench

Jaxa Wrench for Larger Watch Cases

Improved Jaxa wrench has a capacity of 18-62mm. Three easily adjusted prongs and the flat head offer a secure, stable grip. Lightweight and strong, comes with 4 sets of tips and a measuring gauge. Swiss.

Stock #	Description
BG2819-08	Large Capacity Wrench Set

Case Openers

Case Wrench Set

Economical 3-prong case wrench is 5½" long with four sets of pins for screwbacks. Stored in a wooden box.

Stock #	Description
CO790	Case Wrench and Pins in Wooden Case

Two-Prong Openers for Screw-on Backs

Each tool includes three pairs of pins.

Stock #	Size	Max Opening
CO-783	Jumbo Straight	55mm
CO-784	Jumbo Perpendicular	55mm

Jumbo Economy Case Opener

Use for larger sizes, up to 60mm diameter. Includes four sets of three prongs.

Stock #	Size	Max Opening
CO792	Jumbo Metal	60mm

Large Opening Case Opener

Open larger cases without detaching the bracelet using this tool with 55mm span and small head.

Stock #	Description
CO-M013	Two-prong Case Opener
CO-M320/E	Square Replacement Pin
CO-M320/F	Round Replacement Pin
CO-M014	Wide Head Case Opener

Three-Prong Openers for Screw-on Backs

Each tool includes four sets of three pins.

Stock #	Size	Max Opening
CO793	Jumbo Lightweight	62mm

Quick-Adjust Two-Prong Case Opener

Two double-ended prongs quickly adjust to regular screwback cases, including notched, slotted, polygonal or milled-edge case backs. Swiss.

Stock #	Description
BG4718	Case Opener
BG4718A	Replacement Pin

Case Cushion

Protect cases as you work. 53mm diameter. Swiss.

Stock #	Description
BG5394	Metal, 53mm, Base Version
BG5394A	Black Replacement Cover

Case Cushion

Protect cases as you work. 53mm diameter. Swiss.

Stock #	Description
BG5394P	Plastic, 53mm, Base Version

Case Cushion

Protect cases as you work. 53mm diameter. From India.

Stock #	Description
CH698	Economical Cushion

Case Wrench for Bulova Accutrons

Easy to use, specially sized knurled 6-notch case opener for Accutron 214, 218 and 219's. Also fits most men's Accutrons and other 29mm 6-notch case backs. Made from aluminum to help prevent scratching gold cases.

Stock #	Description
CO-ACC22	Accutron Wrench

Case Cushion

Protect cases as you work. 80mm diameter. Swiss.

Stock #	Description
BG5394PG	Plastic, 80mm, Base Version

Case Cushion

Protect cases as you work. 80mm diameter. Made in India.

Stock #	Description
CH699	Economical Cushion

CO-M330/20

CO-M330/30

Omega Seamaster Case Opening Dies

Use with openers BG5700RO, BG5700Z, BG5537, CO-M320, CO-M363 or handle CO-M305.

Stock #	Used on Cases
CO-M330/20	Seamaster Omega Ladies
CO-M330/30	Seamaster Omega Gents

Citizen AquaLung Case Opening Die

For Citizen AquaLung casebacks. Use with openers BG5700RO, BG5700Z, BG5537, CO-M320, or handle,CO-M305.

Stock #	Used on Cases
CO-M331	AquaLung Citizen

Bergeon Professional Watch Case Opener

Use the best screwback bench type case opener and closer on the most stubborn waterproof cases. The cast metal frame has a 130mm plastic wheel. Includes six sets of pins for most screw-on case backs and four pairs of case holding plugs, all mounted on a wooden base. Swiss. Replacement parts available.

Stock #	Description
BG5700Z	Bergeon Pro Case Opener

Replacement Pins for BG5700Z. One-piece each, two each required.

Stock #	Description
BG2835A	For Casebacks with Slots
BG2835B	For Polygonal Cases
BG2835C	For Casebacks with Holes
BG2835D	For Rolex Casebacks
BG2835E	For Backs with Curved Sides
BG2835F	For Aquastar Cases

Adjustable Case Vise for BG5700Z

Alternate case holding vise for use with Bergeon case opener BG5700. Swiss.

Stock #	Description
BG5674	Case Vise
BG5674D	Replacement Pin

Bergeon Optional Pin Holding Vise

Converts BG5700RO Rolex opener into a case opener for variety of screwback cases. Vise expands to 60mm.

Stock #	Description
BG5700-04G	Vise Without Pins

Bergeon Professional Watch Case Opener to Fit Rolex

Deluxe tool set includes BG5674 case holder, six BG5538 serrated rings, sizes 18.5, 20.2, 22.5, 26.5, 28.3, 29.5mm, and BG5538T adapter. Purchase separately a wood base, pins, and case holding plugs.

Stock #	Description
BG5700RO	Case Back Opener to Fit Rolex

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Rings to Fit Rolex for BG5700

Set of six dies and mounting adapter to fit Rolex caseback serrated rings. For use with case opener BG5700. Sizes: 18.5, 20.2, 22.5, 26.5, 28.3, 29.5mm. Swiss.

Stock #	Description
BG5538	Set of 6 Dies to Fit Rolex with Adapter
BG5538T	Mounting Adapter

Upper

Lower

Friction Grip Heads for BG5700

Round metal upper and lower heads have special soft plastic rings to achieve a strong friction grip for opening and closing watch case backs.

Stock #	Description
BG5700FL	6 Upper Heads
BG5700MP	3 Lower Heads

Individual Upper Heads

BG5700F	16mm
BG5700G	19mm
BG5700H	22mm
BG5700J	26mm
BG5700K	30mm
BG5700L	34mm

Individual Lower Heads

BG5700M	19mm
BG5700N	26mm
BG5700P	34mm

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Case Opening Wrench to Fit Rolex Watches

Hand-held case opener for Rolex brand watches includes handle and six dies. Dies sized from 18.5 to 29.5mm. Use with BG5700 case opener and BG5538T adapter.

Stock #	Description
BG5537	Case Opening Wrench

Case Opening Dies to Fit Rolex

Use with BG5700Z.

Stock #	Description
CO-M326	Set of 6: 18.5, 20.2, 22.5, 26.5, 28.3, 29.5
CO-M326/36.5	Optional Rolex Die: 36.5

Swiss Red Friction Grip Dies

Fits BG5700RO, BG5700Z, CO-M320. Opens and closes screw backs and bezels. Soft plastic won't mar cases.

Stock #	Description
CO-M343	Set of 10 Red Suction Heads

Dies Available Separately

Stock #	Outside Diameter	Stock #	Outside Diameter
CO-M333/16	16mm	CO-M333/34	34mm
CO-M333/20	20mm	CO-M333/40	40mm
CO-M333/23	23mm	CO-M333/45	45mm
CO-M333/26	26mm	CO-M333/50	50mm
CO-M333/30	30mm	CO-M333/55	55mm

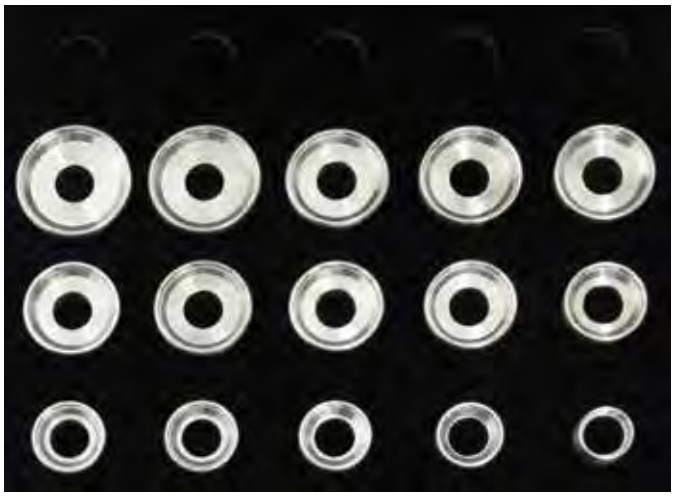
Breitling and Panerai Polygonal Case Opening Dies

Stainless steel dies fit the Bergeon 5700 or Horotec opener. Select seven of your choice or we can send you the most requsted dies. For dies with 14 sides, the size is the diameter when measured from a flat to the opposite flat. For dies with 15 sides, the size is the diameter when measured from a flat to the opposite point.

Stock #	Description
CO-M1415	Set of 7 Dies
CO-M5-100	Die, 5 Knob, for Bentley, 36
CO-M13-500	Die, 13-Sided, 23.8mm
CO-M13-100	Die, 13-Sided, 25.6mm
CO-M13-300	Die, 13-Sided, 26.5mm
CO-M14-700	Die, 14-Sided, 30mm
CO-M14-800	Die, 14-Sided, 30.2mm
CO-M14-200	Die, 14-Sided, 36mm
CO-M15-930	Die, 15-Sided, 28.9mm
CO-M15-900	Die, 15-Sided, 31.3mm
CO-M15-600	Die, 15-Sided, 33mm
CO-M15-400	Die, 15-Sided, 34mm
CO-M15-800	Die, 15-Sided, 36mm
CO-M15-100	Die, 15-Sided, 37mm
CO-M15-300	Die, 15-Sided, 38mm
CO-M15-500	Die, 15-Sided, 42mm
CO-M15-920	Die, 15-Sided, 44mm

12-Sided Panerai Cases

Stock #	Description
CO-M334	Set of 4 Dies, 12 Flats
CO-M334/30	Die, 12 Flats, 30mm
CO-M334/35	Die, 12 Flats, 35mm
CO-M334/39	Die, 12 Flats, 39mm
CO-M334/42	Die, 12 Flats, 42mm
CO-M12-40	Die, 12 Flats, 35.7mm
CO-M12-50	Die, 12 Flats, 37.5m
CO-M12-200	Die, 12 Flats, 38.9mm
CO-M12-44	Die, 12 Flats, 39.3mm
CO-M12-45	Die, 12 Flats, 43mm
CO-M12-47	Die, 12 Flats, 43.4mm



Breitling Die Assortment

Set of 15. Sizes 20-44mm. 15-sided dies. Use with Bergeon mounting adaptor BG5538T.

Stock #	Description
CO-BR15	15-Sided
BG5538T	Mounting Adaptor

Case Back Opener for Baume and Mercier

For opening Baume and Mercier cases. The handle also holds the Rolex set of dies CO-M326 and Bergeon dies BG5537 and BG5538.

Stock #	Description
CO-M307	Handle with 3 Dies
CO-M305	Die Handle Only
CO-M327	Set of 3 Dies Only
CO-M327/25	Individual Die, 25mm Diameter
CO-M327/30	Individual Die, 30mm Diameter
CO-M327/33	Individual Die, 33mm Diameter

Baume & Mercier Dies from Bergeon

Set of 4 dies. Sizes 24.4, 29, 32, 18.5mm. Fits BG5700Z case opener, Horotec CO-M363 and CO-M320.

Stock #	Description
BG7001B	Set of 4 Dies
BG7001B1	24.4mm
BG7001B2	29mm
BG7001B3	32mm
BG7001B4	18.5mm

Omega Seamaster Case Openers

Genuine Omega case holders and 5-pin dies open and close both ladies' and men's 5-hole case backs. The men's dies are only available in metal. Use with BG5700 with the optional adapters below.

Stock #	Description
OME-93	Set of 7

Omega Support for BG5700

Stock #	Description
OME-933	Top Adapter
OME-934	Base Adapter

Fixtures for Omega Seamasters

Use with Bergeon BG5700 or CO-M320 openers. Adapter not needed.

Stock #	Description
CO-M330/20	Ladies' 20mm
CO-M330/30	Men's 30mm

Balance Screw Regulator

Fits Omega co-axial movement 2500B.

Stock #	Description
OME-2000501	Regulator

Set of Four Dies for Omega

Set of aluminum dies with five steel pins for certain Omegas. Can be used on your BG5700, CO-M320 or CO-M363.

Stock #	Description
CO572	Set of 4 Dies

Case Opening Fixtures

Made specifically for the Dynamic 97 watch, use with Bergeon BG5700 case opener. Requires adapter.

Stock #	Description
OME-502507	97 Fixtures

Omega Reduction Rings

Four sizes. Both sides shown.

Stock #	Description
OME-9026	31.00mm
OME-9027	34.50mm
OME-9028	33.50mm
OME-9029	22.50mm

Omega Polishing Cloth

Lint-free microfiber cloth, 15" x 11½".

Stock #	Description
OME-5000009	Polishing Cloth

Omega Knife-Case Opener

Pocket knife has knife blade on one end, case opener on the other, plus pick and tweezers.

Stock #	Description
OME-4000021	Case Knife

6-Sided Omega Helium Valve Key

Stock #	Description
OME-2000004	Screwdriver Complete
OME-2000005	Tip Only

Pusher Key for Seamaster

For Professional Chrono Diver.

Stock #
OME-2000001

8-Sided Omega Tube Key

Seamaster Professional Chrono Diver.

Stock #
OME-2000002

Crown Fork for Bezels

Use on Omega case ref. 145.008.

Stock #
OME-9000071

Day Star Wheel Tool

Stock #
OME-9000061

Snap-back Case Opener

Built in roller prevents marring when applying pressure.

Stock #
OME-4009070

OME-4000021

Case Holders

Case Holder with Four Pins

Adjustable, economic aluminum holder has four plastic pins to protect case. Hold in bench vise.

Stock #	Description
CH175.00	Case Holder
CH175.04	Set of Pins Only

Economy Case Holder with 4 Pins

Adjustable economic aluminum holder has four adjustable non-marring plastic pins to protect case. Use with bench vise. Holds watch cases up to 70mm.

Stock #	Description
CH176	Jumbo Case Holder
CH176A	Pins for Jumbo Holder

Swiss Case Holder with 4 Pins

Holder has four plastic pins to protect case from marring. Made to be held in bench vise. Swiss.

Stock #	Description
BG5090	Small Holder opening: 50 x 45 x 35mm
BG5090A	Replacement Pin for Small Holder
BG5685	Large Holder opening: 70 x 95 x 45mm
BG5685A	Replacement Pin for Large Holder

Universal Case Holder

Heavy duty case holder allows independent adjustment for each of the four red plastic case pins. Made for holding most waterproof watches with screw-back cases. To be held in a bench vise.

Stock #	Description
BG2820	Universal Case Holder
BG2820A	Red Plastic Replacement Pins

Case Holding Vise

Vise-like case holder clamps onto your bench or table. Made of metal, this holder will hold most any size case.

Stock #	Description
CH180.00	Case Holding Vise

Adjustable Case Holder

Heavy-duty spring-loaded plastic jaws hold many different styles of cases while opening and closing backs. Made of durable, non-marring plastic to use in a bench vise.

Stock #	Description
BG5078	Swiss Holder
CH809	Economy Holder

Universal Case Holder

Heavy-duty plastic construction protects cases. Holds case at lug positions. For use with a bench vise. Swiss.

Stock #	Description
BG4077A	Holds Lug Widths, 8-14mm

Aluminum Case Holder

Holds all types of cases when removing backs. Reversible and made of aluminum.

Stock #	Description
CH300	Aluminum Case Holder

Wooden Case Holder

Use with hand-held case wrenches to avoid scratching the watch case. Cut-outs accommodate various watch sizes.

Stock #	Description
CH302	Wood Holder

Pliers for Removing Pushers and Correctors

Cast aluminum pliers have adjustable stoppers. Includes three punches.

Stock #	Description
BG6160	Pusher Removing Pliers
BG6160D	5mm High Replacement Punch
BG6160E	8mm High Replacement Punch
BG6160F	12mm High Replacement Punch

Chronograph Tube Tool

Use to screw in chronograph case tubes from the outside.

Stock #	Description
BG5901-P03	For 3.33mm Fluted Tubes
BG5901-P27	For 3.65mm Fluted Tubes
BG5901-P39	For 4.10mm Fluted Tubes
RM-M650	For 3.05mm Fluted Tubes
RM-M651	For 3.50mm Fluted Tubes

Bergeon Oscillating Weight Remover

Use to remove and replace ring bolts on ETA calibers 2891-2895, 7750, 2001-1. Tips store in handle.

Stock #	Description
BG6923	Oscillating Weight Remover

Pliers for Installing Pushers and Correctors

Cast aluminum has adjustable stoppers and two punches.

Stock #	Description
BG6161	Pusher Installing Pliers
BG6161D	1.9mm Diameter Punch
BG6161E	2.4mm Diameter Punch

Friction Pusher Remover

Obtain easier removal of friction type pushers using the screw mechanism which provides greater control and power. Includes several sizes of pins. Swiss.

Stock #	Type
RM-M654	Single Sided
RM-M656	Double Sided

Horotec Tube and Crown Tools Set

Quality assortment features 12 tube and crown inserting and removing tools. Includes keys that fit RX, Omega and Chronograph models that use P3, P27 and P29 tubes. Complete set includes tips for ETA oscillating weights and Swatch battery hatches.

Stock #	Description
RM-M622	Case Tube Tool Set
RM-M621	Complete Case Tube Tool Set

Bergeon Holder for "Circlip"

Special slots cut in jaw grip clip for removal. Swiss.

Stock #	Description
BG6714	Circlip Holder

Arbe HT 105 Electric Waxer

Ultrasensitive, precise rheostat has a heavy duty hand-piece with brushed aluminum end caps. Use for accurate temperature control.

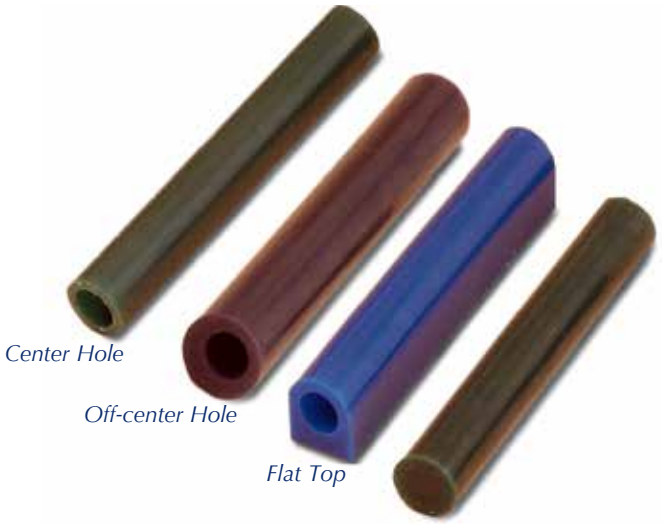
Stock #	Description
CA105.000	HT105 Waxer with 3 Tips
CA105.002	Blue Tip Round Bent
CA105.003	Red Tip Broad Spatula
CA105.004	Yellow Tip Bent Tip

Flex-Plast™ Injection Wax

Stock #	Description
KERR23020	Flex Plast Blue
KERR18428	NYC Pink
KERR12138	Super Pink
KERR16181	Tuffy Green
KERR13360	Accu Aqua Green
KERR14079	Accu Ruby Red
KERR14293	Accu Turquoise
KERR32456	Carveable Purple

Injection Wax Specifications

Item	Inj. Temp	Flow	Flex.	Carv.	Shrink	Mem.
Flex-Plast	155°	med.	high	med.	med.	high
NYC Pink	155°	med.	med.	low	low	med.
Tuffy Green	165°	med.	high	med.	low	med.
Super Pink	150°	high	low	med.	low	low
Accu Aqua Grn	150°	high	med.	low	low	med.
Accu Ruby Red	150°	high	med.	low	low	med.
Accu Turquoise	150°	high	med.	low	low	med.
Accu Carve	174°	high	high	high	low	med.



File-A-Wax Ring Tubes

Use these easy-to-cut ring tubes for designing rings. Several rings may be cut from each 6" tube. Hole size 5/8".

Stock #	Size	Shape	Color
CA150T1	1" W x 1" H	Flat Top	Green
CA100T1	1 5/8" W x 1 1/8" H	Flat Top	Green
CA200T1	1 3/16" W x 1 5/16" H	Flat Top	Green
CA250T1	1 1/8" W x 1 1/8" H	Flat Top	Green
CA1062E1	1 1/16" Diameter	Off Center Hole	Green
CA875T1	7/8" Diameter	Center Hole	Green
CA1062T1	1 1/16" Diameter	Center Hole	Green
CA875B1	7/8" Diameter	Solid Round	Green
CA1062B1	1 1/16" Diameter	Solid Round	Green
CA150T2	1" W x 1" H	Flat Top	Purple
CA100T2	1 5/8" W x 1 1/8" H	Flat Top	Purple
CA200T2	1 3/16" W x 1 5/16" H	Flat Top	Purple
CA250T2	1 1/8" W x 1 1/8" H	Flat Top	Purple
CA1062E2	1 1/16" Diameter	Off Center Hole	Purple
CA875T2	7/8" Diameter	Center Hole	Purple
CA1062T2	1 1/16" Diameter	Center Hole	Purple
CA875B2	7/8" Diameter	Solid Round	Purple
CA1062B2	1 1/16" Diameter	Solid Round	Purple
CA150T3	1" W x 1" H	Flat Top	Blue
CA100T3	1 5/8" W x 1 1/8" H	Flat Top	Blue
CA200T3	1 3/16" W x 1 5/16" H	Flat Top	Blue
CA250T3	1 1/8" W x 1 1/8" H	Flat Top	Blue
CA1062E3	1 1/16" Diameter	Off Center Hole	Blue
CA875T3	7/8" Diameter	Center Hole	Blue
CA1062T3	1 1/16" Diameter	Center Hole	Blue
CA875B3	7/8" Diameter	Solid Round	Blue
CA1062B3	1 1/16" Diameter	Solid Round	Blue

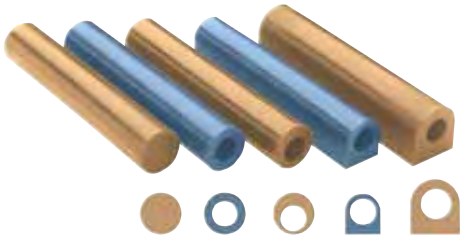
Wax Colors

Green—Hard with very little flexibility. Ideal for filing and delicate engraving. Softens at 230°.

Purple—Medium hard with medium flexibility. Ideal for piercing, baguettes and air line openings. Softens at 225°.

Blue—Soft and highly flexible, will take a 90° bend without breaking. Use for piercing and thin exposed sections. Softens at 220°.

Wolf Metallic Carving Waxes



Wolf Carving Waxes are jointly developed by Kate Wolf and Ferris Wax Research Laboratory. Once carved, these waxes possess a gold or silver tone appearance. This line of flexible, medium-hard waxes may be carved into fine design detail and polished to an incredibly smooth finish.

Stock #	Description	Size
CA261.01	Solid Ring Tube - Gold	6″ L x 1 1/16″ O.D.
CA261.03	Solid Ring Tube - Silver	6″ L x 1 1/16″ O.D.
CA262.01	Round Tube w/ Centered Hole - Gold	6″ L x 1 1/16″ O.D.
CA262.03	Round Tube w/ Centered Hole - Silver	6″ L x 1 1/16″ O.D.
CA263.01	Round Tube w/ Off-centered Hole - Gold	6″ L x 1 1/16″ O.D.
CA263.03	Round Tube w/ Off-centered Hole - Silver	6″ L x 1 1/16″ O.D.
CA264.01	Flat Top - Gold	6″ L x 1 1/8″ O.D.
CA264.03	Flat Top - Silver	6″ L x 1 1/8″ O.D.
CA265.01	Large Flat Top - Gold	6″ L x 1 3/16″ W x 1 5/16″H
CA265.03	Large Flat Top - Silver	6″ L x 1 3/16″ W x 1 5/16″H
CA254.01	Two Round Gold Bars - ½ lb.	11 1/4″ L x 1 5/16″ O.D.
CA254.03	Two Round Silver Bars - ½ lb.	11 1/4″ L x 1 5/16″ O.D.

Matt Wax Round with Off-center Hole

Stock #	Diameter	Color
CA2699	1 1/16″	Blue
CA2700	1 1/16″	Purple
CA2701	1 1/16″	Green

Kerr® Perfect Purple Buildup Wax

Perfect Purple Wax, designed to be melted at 156°F, is the ideal wax to build up the pattern through successive additions. After build-up, the wax can be easily carved to produce smooth pattern surfaces. One ounce.

Stock #	Description
KERR114930	Purple Buildup Wax

Matt Wax Note:

Use normal burnout procedures for Matt Wax tubes. They are not suitable for steam dewaxing and wax must be removed using a burnout oven.

Matt Wax Round with Centered Hole

Stock #	Diameter	Color
CA2711	7/8″	Blue
CA2712	7/8″	Purple
CA2713	7/8″	Green
CA2714	1 1/16″	Blue
CA2715	1 1/16″	Purple
CA2716	1 1/16″	Green
CA2717	1 5/16″	Blue
CA2718	1 5/16″	Purple
CA2719	1 5/16″	Green

Sprue Wax

Pliable, easy to form sprue wax is six inches long and specially formulated for making sprues. Burns out quickly and cleanly. 5 ounces.

Stock #	Description
CA647/8	8 Gauge
CA647/10	10 Gauge

Matt Wax Solid Round Bar

Stock #	Diameter	Color
CA2702	7/8″	Blue
CA2703	7/8″	Purple
CA2704	7/8″	Green
CA2705	1 1/16″	Blue
CA2706	1 1/16″	Purple
CA2707	1 1/16″	Green
CA2708	1 5/16″	Blue
CA2709	1 5/16″	Purple
CA2710	1 5/16″	Green

Matt Wax Flat Side with Hole

Stock #	Size WxH	Color
CA2690	1″ x 1 1/8″	Blue
CA2691	1″ x 1 1/8″	Purple
CA2692	1″ x 1 1/8″	Green
CA2693	1 1/8″ x 1 1/8″	Blue
CA2694	1 1/8″ x 1 1/8″	Purple
CA2695	1 1/8″ x 1 1/8″	Green
CA2696	1 1/4″ x 1 1/4″	Blue
CA2697	1 1/4″ x 1 1/4″	Purple
CA2698	1 1/4″ x 1 1/4″	Green

Casting Accessories

Casting Flasks - Solid Wall

Heavy-duty casting flasks are made of stainless steel to withstand the thermal shock of casting and quenching, and to resist the corrosion due to burnout. Use in vacuum-assist platform casting or centrifugal casting.

Stock #	Diameter	Length
CA21.687	1¾″	1¾″
CA1079	2″	2½″
CA21.688	2½″	2″
CA21.689	2½″	2½″
CA21.690	2½″	3″
CA21.691	2½″	4″

Rubber Mixing Bowls

Made of specially prepared flexible rubber for easy mixing of investments, these bowls are easy to clean and store.

Stock #	Size	Capacity
CA851	2¾″ x 4¼″	¾ Pint
CA852	5¾″ x 6¼″	1½ Quart
CA853	6½″ x 8½″	1 Gallon

Pro Craft Investment Scale, 10-pound Capacity

Accurate and economical, this scale weighs in 2-ounce increments up to 10 pounds. Easy-to-read red and black numerals on a 4” dial indicate weight plus water/investment ratios. Includes scoop.

Stock #	Description
CA21.773	Scale and Scoop
CA21.772	Replacement Scoop

Tree Sprue Base

Perfect for high production operations. Sprue bases assure a leak proof seal.

Stock #	Diameter
CA21.825	1¾″
CA21.824	2″
CA21.826	2½″
CA21.827	3″
CA21.828	3½″
CA21.882	3⅜″
CA21.829	4″
CA21.830	5″

Sprue Base Holder

Innovative tree former holds sprue bases from 2” to 5” at any angle. Totally adjustable, all metal base.

Stock #	Description
CA21.890	Sprue Base Holder

Plastic Measure Cylinders

Use to measure the correct amount of water to mix with investment and to determine the amount of metal to be cast by the displacement method.

Stock #	Description
CA840	250ml. Cylinder
CA837	1000ml. Pitcher
CA842	3000ml. Pitcher

Spatula Rounded

Excellent for mixing investment and for forming and shaping wax. Stainless steel blade in wood handle.

Stock #	Description
CA827/1	4″ Blade, Rounded

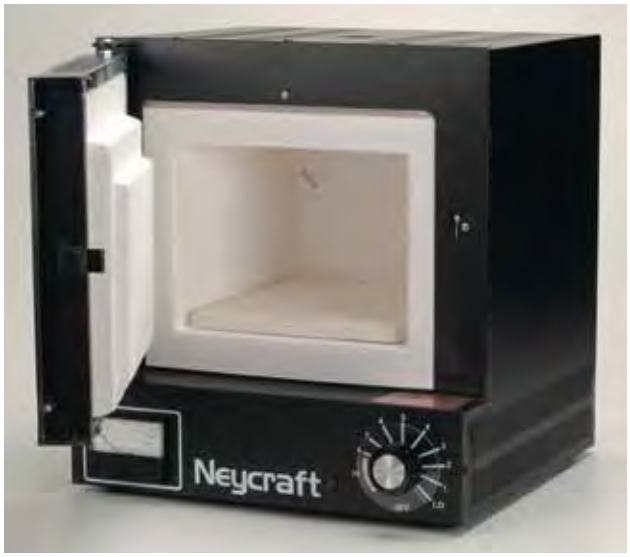
Investment Scoop

Plastic scoop for handling dry investment. 4¾” x 8½” x 3”.

Stock #	Description
CA846	Scoop

Custom Assortments are Convenient

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn’t be simpler.



Neycraft JFF2000 Fiber Furnace

Quality furnace has an advanced design for lost wax casting burnout or enameling. With efficient silica fiber insulation and heavy-duty embedded elements, it uses 25% less electricity than a furnace made with firebrick. This furnace includes a built-in pyrometer and temperature control and climbs from room temperature to 1000° F in about 10 minutes. Maximum temperature of 2000° F. Chamber measures 9" W x 9" W x 6½" H. 120 volts.

Stock #	Description
CA7200	Basic Oven

Fiber Furnace with Controller

Fully programmable furnace with a Sentry Xpress 3-Button Digital Controller allows you to specify a custom program or use one of the built-in 5, 8 and 12-hour preset programs. Oven is easy-to-use with a top vent for burnout. Maximum temperature of 2000°. The chamber measures 7¾" W x 7¾" H x 8" D.

Stock #	Description
CA1005	Programmable Furnace

Over Nine Decades of Quality Products and Service

Jules Borel started his watch part business in Kansas City in 1920. Since then, we have become a premier provider of quality materials, tools, and supplies. Besides our comprehensive selection and fast delivery, we offer a genuine concern for your success. Call us weekdays, 8:00-5:00 Central time at 800-776-6858 or order online at julesborel.com.

Jules Borel
1884-1971

Combination Chamber and Platform Caster

Superior design and simplicity of operation are combined in one compact unit. Using vacuum, invest and cast perforated flasks and regular wall flasks. Investing is performed on a 10½" square platform which can be vibrated to eliminate air and bubbles, providing a perfect reproduction of the model with no blemishes. The casting unit accommodates both solid wall and perforated flasks up to 5" in diameter and 7" high. The pressure created by the powerful vacuum unit pulls molten metal into the most intricate patterns. Measures 23" W x 11" D x 14" H.

Stock #	Description
CA21.192	Vacuum Casting Machine

Safety Gloves

Durable and comfortable, these full-length gloves cover wrists. A must for protecting both hands when working with burnout ovens and vulcanizer plus when melting gold or using tongs to lift flasks and crucibles into or out from the furnace. One size fits all. Sold by the pair.

Stock #	Description
CA935	Asbestos-Free Gloves

Centrifugal Casting Machine Crucibles

Centrifugal casting machine crucibles are made of fused silica with a clay bond to last through many meltings and are the best choice for melting up to 2500°F. CU22.454 comes with a slot to fit the CA22.366 casting machine.

Stock #	Capacity/Gold
CU22.450	2.5 oz./50 dwt.
CU22.451	9 oz./180 dwt.
CU22.452	12 oz./240 dwt.
CU22.453	20 oz./400 dwt.
CU22.454	9 oz./180 dwt.
CU9353005	Neycraft 6.5 oz./130 dwt. (Not Shown)

Morgan Wesco Melting Dish

Designed for high temperature melting, including metals such as platinum.

Stock #	Type	Capacity
CU22.815	Straight Side	8 oz.
CU22.816	High Back	10 oz.
CU22.817	High Back	20 oz.

Melting Dish

These crucibles are styled for easier melting of metals with a torch. Made of fused silica with a clay bond and suited to high melting temperatures. Use with handle #CA346/2 to make pouring easier.

Stock #	Type	Capacity
CU346/1	Straight Side	7½ oz.
CU22.795	High Back	20 oz.
CU346/2	Handle Only	

Metal-Melt Furnaces from Grobet USA

Specially designed and constructed for melting metals for casting and alloying, this furnace features a 2,050° F operating range, heavy duty graphite crucible, precise temperature control, LED on/off indicator light, 1kg. and 2kg. capacity, easy to read digital display and 110V - 50/60 cycle power.

Stock #	Description
CA22.211	1 Kilo Digital Furnace 1000 Grams
CA22.213	2 Kilo Digital Furnace 2000 Grams
CA22.214	Heat Element for 1 Kilo Furnace
CA22.215	Heat Element for 2 Kilo Furnace
CA22.216	Crucible for1 Kilo Furnace
CA22.217	Crucible for 2 Kilo Furnace

Boric Acid Powder

Use boric acid powder to form a protective coating on metal before soldering. Mix with alcohol to use as a high-grade flux and deoxidizing agent. Eight ounces.

Stock #
SO623

Magic Boric Acid Powder

Extra-fine boric acid powder dissolves quickly for use as high-grade flux and deoxidizing agent. Use with denatured alcohol. Sixteen ounces.

Stock #
SO622

Carbon Stirring Rods

Use to stir gold while melting it in crucibles.

Stock #	Description
CA1072	9″ Long x ¼″ Diameter
CA1075	12″ Long x ½″ Diameter

Quartz Stirring Rods

Annealed and fire polished for stirring precious metals.

Stock #	Description
CA1074	12″ Long x ⅜″ Diameter

Melting Dish with Handle

This 7½ ounce silica-clay crucible with handle is ideal for torch melts. The wooden handle resists heat. 14" overall length.

Stock #	Description
CU345	Handle and Dish
CU346/1	Melting Dish Only
CU346/2	Handle Only

To prepare the melting dish, file a pouring slot in the side of the dish. Next, melt Borax number CA22.820 into the surface of the dish. This will allow the metal to ball up and slide out of the dish properly.

Borax Granulated Flux

Pure granulated borax is excellent as a casting flux for melting gold, silver and other alloys. Use to line crucibles to protect the metal from any impurities that may be in the crucible.

Stock #	Description
CA22.820	8oz. Can

Cuttlefish Bone

To cast small objects, create a mold by pressing a model directly between two pieces of cuttlefish. The soft shell makes a smooth walled mold and sprues, gates and vents are easily cut into the wall with a sharp knife. Bind the two halves together with a binding wire and pour the molten metal into the cavity. Package contains six pieces.

Stock #	Description
CA930	Cuttlefish Bone

Primo Ingot Mold

Reversible two-in-one ingot mold may be used to make flat stock or wire stock from scrap metal. Flat stock is 3" long x 2" wide x 2.5, 3.5, 4.5 and 6mm in diameter. A sturdy C-clamp holds both halves together tightly. The width of the flat stock can be varied.

Stock #	Description
DP136.00	Wire and Sheet Mold

Mold Lock Formers

Use mold lock formers to make mold registration locks without cutting. Approximately 155 pieces.

Stock #	Description
CA954	Castaldo Mold Locks

Pro-Craft Sand Cast Kit

Use Pro-Craft to cast simple metal articles such as jewelry and small sculptures in sand. Preparation of the sand mold is simple and quick and the original pattern or article can be used over and over. The set contains all the necessary items: parting powder, five pounds of sand, crucible, crucible tongs, borax, asbestos-free pad, casting flask measuring $4^{3}/_{4}$" x 3" x 2" and casting metal.

Stock #	Description
CA1170	Casting Set
CA1171/5	Parting Powder
CA1171/7	Sand, 5 lbs.

Castaldo® Mold Rubber

Natural precut gum rubbers offer quality, flexibility and control. Select from soft Gold Label for intricate and delicate molds, firm White Label rubber for thin patterns, No-Shrink Pink rubber to use with old or white label rubber, or extra firm Titanium rubber. Five-pound box. 2" x $1^{7}/_{8}$" x $^{1}/_{8}$".

Stock #	Style	Cures °F	Pieces
CA947	Gold Label	310	150
CA946	White Label	310	150
CA950	No-Shrink Pink	290	150
CA970	Titanium	310	150

Arbe Air Pressure Super Mini - 1 1/3 Quart

The Super Mini has a zinc-plated heavy-duty air regulator, large 2" diameter pressure gauge, ceramic-mica aluminum heating element, machined aluminum components, and a no-leak double sealed nozzle.

Stock #	Description
CA2000	Compressor Injector

Wax Injector - 1 Pint

Thermostatically controlled pot keeps wax at proper temperature while hand-operated pump injects wax into mold. Holds 1 1/2 pounds of wax and operates on 115v AC.

Stock #	Description
CA22.715	Complete Injector
CA22.716	Pump Only

Arbe Air Pressure Wax Injector - 2 3/4 Quart

This large wax injector holds five pounds of wax and has a liquid filled, highly sensitive thermostat for accurate temperature control. Other features include a wax drain spigot and a mount for using an optional thermometer. Unit has a 10 1/2" diameter footprint and stands 14" high. Voltage is 110V/60Hz.

Stock #	Description
CA2001	2 3/4 Quart Air Pressure Injector

Swann Morton® Knife Blades

With an industry standard of exceptional quality, these carbon steel surgical blades are excellent for cutting rubber molds. Available in straight style #11 or curved style #12 to fit KN633 handle. Sold in packs of five blades.

Stock #	Style
KN611	Straight
KN612	Curved

Arbe Hand Pump Wax Injector - 1 1/3 Quart

Die-cast aluminum pot holds 2 1/2 to 3 pounds of wax. This hand-pump model provides even heating, an accurate air pressure gauge, temperature probe and on-off pilot light.

Stock #	Description
CA2007	1 1/3 Quart

Multi-Purpose Thermometer

Test temperature during the wax melting process. Use also with vulcanizers, plating and Jett Sett.

Stock #	Description
CA1455	Wax Thermometer

Sprue Former

Attach to models in mold frames to form an opening in the mold through which the wax is injected. Assures fit for the nozzle of the wax injector.

Stock #	Description
CA835	Sprue Former

Stainless Steel Scalpel Handle

Quality stainless steel scalpel handle holds blades for mold cutting. 5" long. Uses KN611 or KN612 blades.

Stock #	Description
KN633	Steel Handle

Mold Cutting Handle

Soft grip knife handle has a tension screw for easy installation of blades.

Stock #	Description
KN280.00	Soft Grip Knife Handle
KN280.11	5 Replacement Blades

Castaldo Pink Liquid Cast RTV Two-part Compound

This mold compound cures overnight at room temperature. For best results, vacuum the mold to remove bubbles or paint and dip the pattern first, then mount and fill the frame with RTV pink compound.

Stock #	Description
CA973	16 oz. Liquid Cast
CA974	10 lbs. Liquid Cast

Ferris Transparent Mold Compound

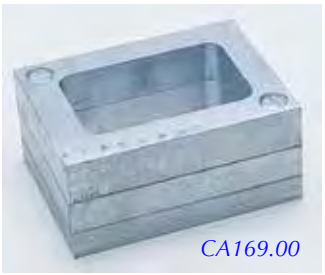
This excellent compound forms a transparent rubbery substance when baked at 350°F, making it very easy to see the model when cutting apart the mold. The mold may be used many times. One quart makes 10 to 14 molds.

Stock #	Description	Weigh
CA2758	1 Quart	3 lb.
CA2759	1 Gallon	10 lb.

Akrovest Wax Wash Vac-U-Debubblizer

This unique wash is used to release the surface tension between the wax pattern and the investment. Use on jewelry waxes to prevent bubbles from adhering to waxes.

Stock #	Description
CA21.794	8 Ounces
CA21.793	1 Gallon



Mold Frames & Plates

Three-piece 7-in-1 mold frame offers the combination of seven mold frames at once: 1/2", 5/8", 3/4", 1 1/8", 1 1/4", 1 3/8", and 1 7/8" thick. Set of two metal plates are placed over mold frame openings to provide better packing.

Stock #	Description	Size
CA169.00	Frame	1 7/8" x 2 7/8"
CA885	Plates	5 x 7 1/8" x 1/8"
CA886	Plates	4 x 6" x 1/8"
CA888	Plates	3 1/2" x 5" x 1/8"
CA887	Plates	2 1/2 " x 3 1/2" x 1/8"

Vulcanizer Model VD-102

Vulcanizer measures 15" x 8" x 18", with a maximum opening of 3" and 5" x 8" platens. 110V, 60Hz.

Stock #	Description
CA7102	Vulcanizer

Kerr Satin Cast Investment

Eliminates bubbles, inclusions and fins. Produces satin smooth, consistently superior casting results. 33 pounds.

Stock #	Description
KERR31009	Satin Cast

Castaldo RTV Frames

Each mold frame set includes a U-shaped frame with sprue former, two pieces of plastic sheet and a rubber band frame holder.

Stock #	Thickness
CA975	3/4"
CA976	1 7/8 x 6"
CA977	1 1/4"
CA978	1 1/2"

Castaldo® Mold Release Sprays

Ozone-safe spray helps remove patterns from mold. Non-toxic, non-flammable and non-hazardous.

Stock #	Description
CA1150	Castaldo for Wax
CA1151	Slick Brand for Wax
CA1153	For VLT Resin Molds

Steam jet nozzle may be attached at front or right side.

It is critical that you perform a weekly cleanout of your steamer. To keep the tank free from rusting and excessive corrosion, the recommended procedure is to blow it out at least once per week, and then refill with water.

Reimers® Model JR

The Reimers® Model JR two-gallon steamer is one of the finest in the industry. In the latest model, the sight glass has been moved outside the cabinet for ease of maintenance, and the steam jet nozzle may be positioned at the front or side. Features the highest-quality positive low water cut-off system for heating element protection. Made in the USA.

- Normal operating pressure: 60 to 85 pounds
- Easy-to-replace detachable solenoid
- Easy access to element and high limit pressure controls to meet CSD-1 regulations
- Stainless steel cabinet
- Fill through inlet funnel
- One year limited warranty
- Electrical 120V/60 Hz
- Air-driven foot control
- Size including pipes: 19" H x 15" W x 19" D
- Shipping weight 69 pounds

Stock #	Description
CL870C	Reimers Model JR

Steamer Replacement Parts for Reimers JR & Vigor JR

Stock #	Description	Fits Steamer Serial Numbers
CL876/3465R	Circuit Board Retrofit	55642 to 60913
CL876/4316	Circuit Board Solid State	60914 and above
CL876/20595	Foot Switch Assembly	55642 to 60913
CL876/20708	Foot Switch, Air Driven	60914 and above
CL876/MBJ41500A	Heating Element, Thermostat Control Kit, Preassembled	55641 and below
CL876/MBJ1500A	Heating Element, 120V, 1500W	55641 and below
CL876/MBJ16	Thermostat Hookup Kit to Heat Element, with Gasket	55641 and below
CL876/2283	Heating Element, 120V, 1500W	55642 and above
CL876/2281	Heating Element Gasket Only	All Reimers JR models
CL876/4163	Pressure Control Switch for Operating Pressure of 60 lbs.	55642 and above
CL876/4296	Pressure Control Cutoff Switch 90 lbs.	55642 and above
CL876/4201	Sight Glass 4¾" with Rubber and Brass Washers	55642 and above
CL876/2690	Sight Glass, 7" with Rubber and Brass Washers	55641 and below
CL876/20025	Sight Glass, 8½" Length	55641 and below
CL876/2006	Sight Glass Rubber Gasket (2 required)	All Reimers JR models
CL876/2448	Sight Glass Brass Washers (2 required)	All Reimers JR models
CL876/2396	Sight Glass Shut-off Valves Upper/Lower Set	All Reimers JR models
CL876/4245	Sight Glass Shut-off Valve Repair Kit for #CL876/2396	All Reimers JR models
CL876/2691	Sight Glass Plastic Cover, 7½"	55641 and below
CL876/3292	Sight Glass Nut only	All Reimers JR models
CL876/4213	Switch, On/Off Power	55642 and above
CL876/4157	Valve, Steam Solenoid	All Reimers JR models
CL876/2637	Valve, Safety, 100 psi Pressure Relief, ½"	All Reimers JR models
CL876/2490	Valve, Water Fill, ½" without Safety Latch	All Reimers JR models
CL876/3346	Valve, Water Blow-out Drain with Safety Latch	All Reimers JR models

Reimers® Steamers

Reimers® Automatic Water Feed Steamers

These steamers save time and effort by automatically filling the steamer with water. Provides continuous steam when you need it, without waiting hours for cool-down and heat-up because of the need to refill with water. Both models are equipped with an automatic water feed that injects water as needed into the boiler under full pressure. Set an approximate operating pressure of 60 psi to generate a continuous flow of steam. The CL871/AR8 compact model has one steam jet and the CL871/AR10 has two steam jets. Both models are supplied without power cords and require wiring and plumbing. Both meet ASME CSD-1 standards. The units are pressure controlled and include positive low water cut-off, solenoid water feed valve, strainer and pump. UL listed, one year limited warranty.

Specifications:	CL871/AR8	CL871/AR10
▪ Steam Production:	.8 BHP, 8 kW Continuous, 1 Nozzle	1 BHP, 10 kW Continuous, 2 Nozzles
▪ Steam Control:	Air Driven Foot Switch	Solenoid Valve/Foot Switch
▪ Plumbing Required:	Yes, Both Electrical & Piping	Yes, Both Electrical & Piping
▪ Tank Size:	2 Gallons/7.5 Liters	7 Gallons/26 Liters
▪ Dimensions and Weight:	14” W x 18” D x 20” H, 76 lbs	18”W x 29.5” D x 18” H, 155 lbs
▪ Shipping Measurements:	17” x 19” x 24”, 83 lbs	30” x 30” x 34”, 184 lbs
▪ UPS Shipping:	Available	No - Freight Only
▪ Electric/Volts:	240 Volts 60 Hz - Single Phase	240 Volts 60 Hz - 3-Phase*

Stock #	Description	Jets	Electrical
CL871/AR8	Auto 8 Steamer	1	240V, 1 Phase, 60Hz
CL871/AR10	Auto 10 Steamer	2	240V, 3 Phase, 60Hz*

** Other voltages: 208, 380, 415, 480; 1 and 3 phase; and cycles 60 and 50 Hz are available. Please specify your requirements.*

Optional Storage Tank

Protect your drainage pipes by storing the hot water in this storage tank until it cools. This tank allows you to comply with plumbing codes that don’t let you release boiling water directly into a sink or drain.
4 feet tall x 11 inches diameter.

Stock #	Description
CL871/STORAGE TANK	Overflow Tank

Optional Auto Flush

Provides a hands-off method of draining the boiler daily. Auto flush mechanism is actuated when your boiler reaches 15 psi.

Stock #	Description
CL871/AUTO FLUSH	Optional Auto Blowdown System

The Silver Dragon™

Each Silver Dragon™ is UL approved and incorporates such precautions as a safety pressure release and a temperature rheostat to assure safety in any environment. Compact, lightweight models can be used at the showroom counter or on the go. Using a flash boiler type steam generator technology, the generator chamber is a 2½" sphere in the center of a seven-pound aluminum heating band.

Specifications:

- Stainless Steel Cabinet
- Portable, weighs only 20 lbs
- Electrical 115V, 11.5A, 1300W
- Produces 90-100 psi
- Can be used in malls or areas where traditional pressure type boilers are prohibited
- Must be used with distilled water
- Dimensions: 9" W x 12" D x 10" H

Stock #	Description
CL890	The Silver Dragon Steamer

pr88 Hand Protectant

This wet compound prevents grease and grime from penetrating the skin. Apply pr88 before work begins and wash with soap and water when work is finished.

Stock #	Size
CL800.03	3.5 oz.
CL800.10	1 Liter

Steam Tweezers

Chrome plated steam tweezers have a thick plastic coating on tips to hold items securely.

Stock #	Size
TW954.00	8"
TW955.00	10"
TW957.00	12"

Steamostats

Non-scratching steamostats feature stainless steel box-joint construction and PVC covered non-scratching tips. The locking version has a three-position lockable handle to prevent twisting and slipping.

Stock #	Description	Length
PL139	Locking	7½"
PL145	Non-Locking	8"
PL139/1	Replacement Tips/Pair	

Twisted Wire Brushes

Use these wire-formed brushes with stiff bristles for cleaning rings, small holes or sight glass steamer tubes. Straight brush has a ½" diameter. The tapered brush has a ⅜" diameter at the top. Both are 8⅝" long.

Stock#	Description
BU16.080	Tapered
BU16.081	Straight

Stainless Steel Inspection Mirror

Use to inspect for leaks in the sight glass and in other tight places. Mirror will fog if sight glass is leaking. Handle is 8" long, cut to shorten.

Stock#	Description
BU29.381	Magnifying Mirror

Reliable Stainless Steel Steamers

Reliable Steamers

Reliable has provided outstanding design and dedication to quality steam production since 1955. Made of 100% stainless steel, these steamers include a low water light indicator, 12 gauge heavy-duty wiring, foot pedal and ETL certification. Use regular tap water. Limited 1 year warranty, 3 year warranty on tank. Made in Italy.

Reliable Stainless Steel Steamer

- 0.66 gallon, 2.5 liters water capacity
- Provides up to 3 hours of steam
- 1000 watts heating element
- Requires 10A circuit
- Steam pressure 50 PSI
- Water level is determined with dipstick

Stock #	Description
CL500A	Stainless Steel Tank, 0.66 Gallon

Reliable Stainless Steel Steamer

- 1.25 gallons, 4.5 liters water capacity
- Provides up to 5 hours of steam
- 1200 watts heating element
- Requires 12A circuit
- Steam pressure 65 PSI
- 30A heavy-duty contactor
- Water level is determined with dipstick
- Blow down valve

Stock #	Description
CL600A	Stainless Steel Tank, 1.25 Gallon

Reliable Stainless Steel Steamer

- 2.37 gallons, 9 Literswater capacity
- Provides up to 8 hours of steam
- Two 1200 watts heating elements (1 spare)
- Requires 12A circuit
- Steam pressure 70 PSI
- Ranco pressure control
- 30A heavy-duty contactor
- Visual water level indicator
- Blow down valve
- Direct water feed (optional)

CL702C

Stock #	Description
CL700A	Stainless Steel Steamer, 2.37 Gallon
CL702C*	Steamer with Hand-Held Steam Wand
CL700V	Optional Direct Water Feed Valve

**CL702C includes optional hand-held steam wand*

Personal Ultrasonic Cleaner - 16 Ounces

Sell these compact, attractive, reasonably-priced ultrasonic cleaners to your customers. Includes one-pint capacity tank, 6" x 3 1/2 " x 2", transparent cover, removable basket and watch holder. Three minute timing cycle with auto shut-off. Uses 42,000 energy-producing sound waves per second and 35 watts. Perfect for home use. 110 volts.

Stock #	Description
CL3052	Personal Cleaner

Ultrasonic Cleaner - 2.6 Quart (83.2 Ounces) Heated Tank

Ultrasonic cleaner efficiently cleans in a 2.6 quart tank. Control both heat and time with the digital pad. Includes stainless steel basket and evaporation-resistant lid. Tank is 9 3/4" x 5 3/4" x 2 1/2".

Stock #	Description
CL3054	Heated Ultrasonic Cleaner

Gem Sparkle Cleaning Solution

Ionic cleaners use Gem Sparkle cleaning solution. Concentrated, odorless and environmentally safe.

Stock #	Description
CL23.660	16 oz. Solution
CL23.661	32 oz. Solution

Ultrasonic Cleaner - 1.2 Quart (38.4 Ounces)

Tank measures 6 1/2" x 5 1/4" x 2 1/2". Includes removable clear cover and a plastic basket. Auto shut-off function, five cleaning cycles: 90, 180, 280, 380 and 480 (8 minutes). 42,000 sound waves per second and 35 watts.

Stock #	Description
CL3053	Ultrasonic Cleaner

Speed Brite Cleaners - 36 Ounces

The Speed Brite ionic cleaner uses electricity to clean jewelry. Includes Gem Sparkle solution. Safe for soft and porous stones such as turquoise, emeralds, pearls and opals. Measures 9" x 5".

Stock #	Description
CL23.653	Ionic Cleaner

Ionic Cleaner - 12 Ounces

Safe for soft stones including turquoise, opals, emeralds and perals. Removes oxidation and cleans gold and platinum. Not recommended for use with silver. Includes 16 ounces of concentrated ionShine solution.

Stock #	Description
CL520.10	Ionic Cleaner
CL845.10	32 oz. ionSHine Solution

L & R Ultrasonic Cleaners

For over 70 years, L & R has been providing professional ultrasonic cleaners and solutions to jewelers and consumers. Their carefully researched cleaners are backed by an unprecedented 2½ year warranty. All include vinyl-clad steel housing, stainless steel tank, 30-minute timer and heater.

Quantrex 90® Ultrasonic Cleaning System

Representing the most advanced technology in ultrasonic cleaning, Quantrex machines offer increased power for greater cleaning and a comprehensive warranty.

Stock #	Tank Dimensions	Tank Capacity	Watts
LR-Q90	5⅞″ L x 5⅜″ W x 4″ D	2 Quarts	103

Quantrex 140® Ultrasonic Cleaning System

Larger version of the Quantrex 90.

Stock #	Tank Dimensions	Tank Capacity	Watts
LR-Q140	9⅜″ L x 5⅜″ W x 4″ D	3⅜ Quarts	150

Rectangular Basket for Q90

Stock #	Description
CL1709L	Standard; 5 x 4 x 3″ for Q90

Rectangular Basket for Q140

Stock #	Description
CL1711L	Standard; 8 x 4 x 3 1/2″ for Q140

Steam Tweezers

Chrome plated steam tweezers have a thick plastic coating on tips to hold items securely.

Stock #	Size
TW954.00	8″
TW955.00	10″
TW957.00	12″

Steamostats

Non-scratching steamostats feature stainless steel box-joint construction and PVC covered non-scratching tips. The locking version has a three-position lock-able handle to prevent twisting and slipping.

Stock #	Description	Length
PL139	Locking	7½″
PL145	Non-Locking	8″
PL139/1	Replacement Tips/Pair	

Elma Ultrasonic Cleaners

Elma represents quality and knowledge in all sectors where cleaning processes and cleaning technology are required - and it has done so for more than 50 years. The Elma product range for ultrasonic cleaning is the largest worldwide. Made in Germany. See next page for models and more information.

Unit automatically shuts off after 12 hours.

Ergonomically arranged carrying handles.

Turning knob for drain duct.

Knob to set cleaning period can be turned to permanent or short term.

User-friendly operator panel. Panel designed to be liquid-resistant.

LED gauge shows remaining time on S Series. Pilot lamp only on E Series.

Sweep Function
Degas Function
Start/Stop Ultrasound
Unit On/Off

Temperature control knob. LED temperature display on S Series. Pilot lamp only on E Series.

Fill-level marked on cavitation-resistant stainless steel tanks.

Plastic cover reduces noise and increases heat. The reverse side forms a basket draining tray.

Drain duct on Elmasonics except the E30

Receptacle for removable electric cord

Ultrasonic Cleaners

Lid is designed to drain baskets.

Elmasonic E Series

- Cavitation resistant stainless steel tank
- Dry-run proof ceramic heating elements
- Heated tank for faster cleaning
- Set to permanent or short term operation
- Lid reduces noise and acts as drip tray
- Knob controlled tank drain (except E30)
- Sweep function provides top cleaning results and optimum sound field distribution
- Pilot lights show timer and heat are on
- Cleaning auto starts when temperature is reached
- Top cleaning results with Sweep technology
- High ultrasonic power with processor-controlled generator technology
- Durable and economic in four sizes

Stock #	Capacity	Size
VIB-E30H	3 Quarts	9.4″ x 5.4″ x 3.9″

Stock #	Capacity	Size
VIB-E60H	6 Quarts	11.8″ x 5.9″ x 5.9″

Stock #	Capacity	Size
VIB-E120H	12 Quarts	11.8″ x 9.4″ x 8″

Elmasonic S Series

Includes all of the basic E series features listed to the left, plus the functions below.

- Greater Ultrasonic power than the E series
- Degas new solution to speed up the cleaning time
- Choice of sweep or regular ultrasonic action
- LED lights show temperature of cleaning solution
- LED lights show cleaning period remaining

Ultrasonic Stainless Steel Baskets

Stock #	Description
VIB-ES30/4176	Fits E30 and S30 Series Tanks
VIB-S40/4232	FIts S40 Series Tanks
VIB-ES60/4243	Fits E60 and S60 Series Tanks
VIB-ES120/4277	Fits E120 and S120 Series Tanks

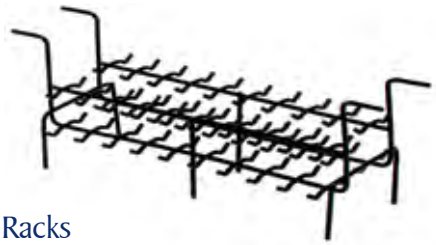
Stock #	Capacity	Size
VIB-S30H	3 Quarts	9.4″ x 5.4″ x 3.9″

Stock #	Capacity	Size
VIB-S40H	4 Quarts	9.4″ x 5.4″ x 5.9″

Stock #	Capacity	Size
VIB-S120H	12 Quarts	11.8″ x 9.4″ x 8″

Stock #	Capacity	Size
VIB-S60H	6 Quarts	11.8″ x 5.9″ x 5.9″

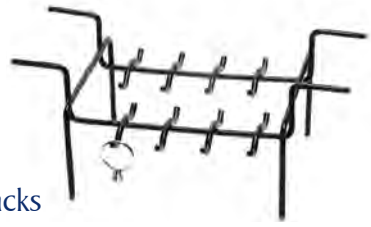
Cleaning Racks



Cleaning Racks

Ultrasonic cleaning racks have a heavy PVC coating and double-sided arms. Racks fit 1 and 2-quart tanks lengthwise or 3, 6 and 10-quart tanks widthwise.

Stock #	Description	Rings
CL606.00	Standing	64



Cleaning Racks

Ultrasonic cleaning racks have a heavy PVC coating and double-sided arms. Racks fit 1 and 2-quart tanks lengthwise or 3, 6 and 10-quart tanks widthwise.

Stock #	Description	Rings
CL26.624	Standing	16

Ring Racks

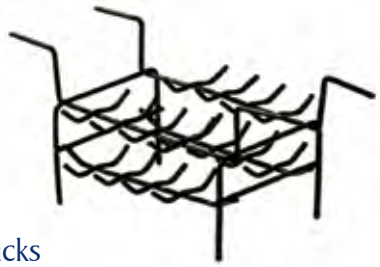
Suspend rings and bracelets into solution without damaging metal or soft stones with this easy-to-retrieve ring rack. It holds 12 rings.

Stock #	Description
CL603.00	12″ Long for 12 Rings
CL604.00	6½″ Long for 8 Rings

Moveable Hook Cleaning Rack

Aluminum rack has replaceable plastic hooks which can be moved along the rack. Fits in all tanks.

Stock #	Description	Size
CL609.08	8-Hook Rack	11¾″
CL609.12	12-Hook Rack	14¾″
CL609.01	Replacement Hooks	
CL609.50	Holder for Hook Rack	



Cleaning Racks

Ultrasonic cleaning racks have a heavy PVC coating and double-sided arms. Racks fit 1 and 2-quart tanks lengthwise or 3, 6 and 10-quart tanks widthwise.

Stock #	Description	Rings
CL605.50	Stainless Hanging	32

Cleaning Racks

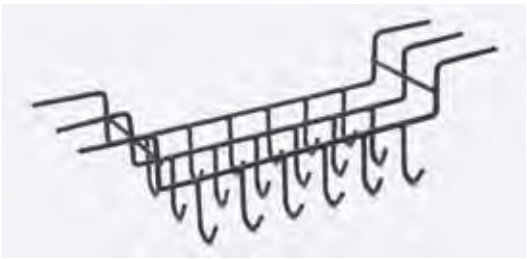
Ultrasonic cleaning racks have a heavy PVC coating and double-sided arms. Fits 1 and 2-quart tanks lengthwise or 3, 6 and 10-quart tanks widthwise.

Stock #	Description	Rings
CL608.00	Hanging	16

Stainless Steel Ring Racks

Suspend rings into solution without damage to metal using this easy-to-retrieve ring rack. Holds 16 rings.

Stock #	Description	Rings
CL609	Stainless Hanging	16



Extra Wide Cleaning Rack

Made to fit 3-6 quart units, this PVC wire rack features 18 hooks for rings. 12½" x 3¼".

Stock #	Description
CL602.00	Extra Wide Racks

CL700.10

CL720.10

Ultrasonic/Steamer Strainers

Plastic strainers with nylon mesh fit all sizes of cleaners. Nylon will not scratch jewelry.

Stock #	Description	Size
CL700.10	Small Basket	4″ x 2¾″x 2″
CL720.10	Large Basket	4½″ x 3½″ x 2″

Standard Mesh Basket

Stock #	Description
CL1709L	Standard; 5 x 4 x 3″ for Q90

Standard Mesh Basket

Stock #	Description
CL1711L	Standard; 8 x 4 x 3 1/2″ for Q140

Standard Mesh is great for easy draining.

Fine Mesh is used for cleaning small parts, findings, etc.

Extra Fine Mesh is used for holding the smallest parts and stones.

Universal Cleaning Baskets

Universal stainless steel cleaning baskets have practical side clips to fit both smaller and larger ultrasonic units. Two of the baskets easily fit into larger units allowing great flexibility. Baskets measure 4” x 5” x 1¾”.

Stock #	Size
CL650.00	Standard Mesh Basket
CL650.10	Fine Mesh Basket
CL650.20	Extra Fine for Small Stones

Fine Mesh Basket

Stock #	Description
CL652.10	Fine; 5 x 4 x 3″ for Q90

Fine Mesh Basket

Stock #	Description
CL653.10	Fine; 8 x 4 x 3 1/2″ for Q140

Watch Basket

Stock #	Description
VIB-S40/1032059	Fits Elma S40

BorelSonic Ultrasonic Cleaning Concentrated Solution

This concentrated, non-ammoniated, multipurpose ultrasonic solution is designed for all jewelry and gems, gold, platinum, silver, diamonds, precious and semi-precious stones. Not recommended for soft or porous stones. Removes polishing and buffing compounds. Mix 10 to 1. One gallon.

Stock #	Description
CL2090	BorelSonic

Ottosonic™ Non-Ammoniated Cleaning Solution

Super concentrated, multipurpose ultrasonic solution may be used on all jewelry and gems, gold, platinum, silver, diamonds, precious and semi-precious stones, watch cases and clocks. Removes polishing and buffing compounds, as well as investment. Mix 40-1 for basic cleaning to 10-1 for aggressive cleaning. Meets OSHA requirements. The CL617 5-gallon container is available by direct ship only.

Stock #	Size
CL615	Quart
CL616	Gallon
CL617	Five Gallons

PolyChem® Ultra-CR Compound Remover

Powerful, yet economical, this concentrated, non-ammoniated cleaning solution is great for cleaning metals and fine gemstones. Not recommended for soft or porous stones such as emeralds, pearls and opals. Mix 10 to 1. One gallon.

Stock #	Description
CL2060	PolyChem

Jules Sonic Super Concentrated Ultrasonic Cleaner

Use this super concentrated ultrasonic cleaning solution on clocks, watches, fine jewelry, rubber, vinyl, plastic, fiberglass and steel. Directions on the back label give you the mixing ratios 10 to 1 to remove investment, 20 to 1 to remove polishing compounds, and 40 to 1 for all other basic cleaning purposes. Environmentally safe– does not contain phosphates, acids, or ammonia.

Stock #	Size
CL613	Quart
CL614	Gallon

Ellanar™ Jewelry Cleaner Concentrate

This strong and effective cleaner is available either non-ammoniated or ammoniated for extra cleaning power. Safe and quick for cleaning gold, silver, diamonds and gemstones. One gallon concentrate makes seven gallons of cleaner.

Stock #	Description
LR-170	Ammoniated
LR-273	Non-Ammoniated

Eurosonic Concentrate Cleaner

Eurosonic concentrate is an advanced technology, bio-friendly ultrasonic cleaning solution containing thousands of enzymes to remove body oils, debris, rouges and grime accumulations from metals, stones and other materials. Eurosonic contains no phenols, ammonia, sulphur or nitrates and is non-toxic and bio-degradable. Mix 30 to 1.

Stock #	Size
CL850.01	Half-Pint
CL850.10	Quart
CL850.15	Gallon

Magic Green Powder Concentrate

Mix this concentrated powder with water to form an excellent ultrasonic cleaning solution, to remove buffing rouge instantly and tripoli within 45 seconds. The 50-pound drum container is available by direct ship.

Stock #	Size
CL120.02	32 oz. Bottle
CL120.10	10 lb. Bucket
CL120.50	50 lb. Drum

Tivaclean Cleaning Concentrate

Ultrasonic and electrocleaning concentrate for both metals and plastics. Has anti-foaming agents for low sudsing and a deodorant to suppress odor. Biodegradable and nontoxic. Can be used at room temperature, but heating the solution to 160°-180°F enhances its performance. One pound jar. Makes two gallons.

Stock #	Description
CL2051	Tivaclean

Magic Luster Concentrate

Fast and long lasting, Magic Luster is a liquid super concentrate cleaner that cuts through rouge and tripoli. One gallon makes 40 gallons of ultrasonic liquid.

Stock #	Description
CL130.00	Magic Luster

Blitz Jewelry Cleaner

Clean gems gently and quickly using Blitz cleaners for retail sale. Cleaning tray included. Eight ounces. For retail sale.

Stock #	Description
BLITZ-6510	Gem Jewelry Cleaner
BLITZ-6710	Delicate Gem Pearl Cleaner

Blitz Private Label Jewelry Cleaner Program

Blitz Gem and Jewelry Cleaner is ideal for cleaning gold, platinum, and non-porous precious and semi-precious gem jewelry. Order with your store logo on a custom label, with minimum of 144 pieces. No setup fee. Mail a clear image, such as a business card, or email a 300 dpi tif file. Allow 2-3 weeks for delivery.

Stock #	Description
BLITZ-655	5.5 oz. Jewelry Cleaner
BLITZ-6511	8 oz. Jewelry Cleaner

SparkleSparkle™

Use each specially created, non-toxic formula to enhance metals and stones, plus extend the life of rhodium and antique finishes. Perfect purse size. Bottle has a no drip gasket seal. One-ounce bottle. For retail sale.

Stock #	Description
CL1030	SparkleSparkle Gold & Stone Cleaner
CL1031	SparkleSparkle Platinum & Stone Cleaner
CL1032	SparkleSparkle Silver Cleaner
CL1033	SparkleSparkle Delicate & Pearl Cleaner

Silver Flash Foam

Simply spray on this foam cleaner and wipe with our silver cleaning cloth PS261 to clean your silver jewelry. 550ml.

Stock #	Description
CL-SF/500	Jewelry Cleaner

Tool Questions?

Please call us at 800-776-6858, weekdays 8:00-500, Central Time.

Resale Jewelry Cleaners

Connoisseurs Jewelry Cleaning Solutions

Place jewelry in the dipping tray and soak in the solution for a few minutes. Eight ounces, for retail sale.

Stock #	Description
CL1880	Silver Cleaner
CL1885	Regular Cleaner

Connoisseurs Jewelry Wipes

Easy to use disposable jewelry wipes are safe for fine jewelry. Each dispenser holds 25 pop-up wipes.

Stock #	Description
CL1850D	Jewelry Wipes

Connoisseurs Cleaning Gel and Brush

Specially formulated gel and unique brush create a foaming action that gently, yet thoroughly cleans diamonds, precious and semi-precious stones, gold and platinum jewelry.

Stock #	Description
CL1851	Cleaning Gel and Brush

Connoisseurs Jewelry Soap

This jewelry soap comes in a convenient pump dispenser that is attractive for use on a countertop or vanity. The gel is non-messy and has a pleasant scent. It is both safe for jewelry and gentle to the skin. A special jewelry cleaning brush snaps into place on the back of the dispenser.

Stock #	Description
CL1852A	Jewelry Soap

Ellanar™ Deluxe Jewelry Cleaner

This well-recognized consumer jewelry cleaner comes in an attractive jar with a tamper-proof seal. Includes a brush and tray for cleaning and convenience. Cap imprinting available. Eight ounces, for retail sale.

Stock #	Description
LR-296	Deluxe Cleaner

Ellanar™ Silver Cleaner

A simple, effective dip cleaner that requires no scrubbing. Just rinse and dry silver jewelry. Cleans in seconds. Cleaning tray included. Eight ounces, for retail sale.

Stock #	Description
LR-253	Silver Cleaner

Ellanar™ Silver Dip

Instantly removes tarnish from sterling silver and most silver plate in seconds. No rubbing at all, just dip and rinse. 16 ounces, for retail sale.

Stock #	Description
LR-173	Silver Dip

For professional use, not resale.

Roughtouch Waterless Hand Towels

High-tech, non-woven fiber is permeated with a special non-hazardous chemical to remove grease, dirt or polishing compound instantly. When grease or dirt is absorbed into the material it cannot transfer back out. Each citrus scented scrub leaves hands clean and moisturized.

Stock #	Description	Size
CL424.10	30 Hand Towels	10½″ x 12¼″
CL425.10	72 Hand Towels	10½″ x 12¼″

Dust Blower

Blue rubber blower has a plastic sheathed nozzle. Measures 5" x 2" and weighs two ounces. Swiss.

Stock #	Description
BL180	Dust Blower

Blow-Off Duster

Blow Off™ Air Duster is an ozone friendly, all-purpose sterilized cleaner that removes dust, dirt and microscopic debris from hard to reach places. Nonflammable, ten ounces. Do not shake, and keep upright to prevent contamination.

Stock #	Description
CL960	Air Duster Blower

Dust Gun Refill Can

Use this refill can with micro-trigger valve CL972 for better control and a more powerful spray. 12 ounces.

Stock #	Description
CL971	Refill
CL972	Trigger

Max Contact Cleaner

Max Contact Cleaner is fast drying and can be safely applied to plastic, rubber and metal. Non-conductive, it removes oil, grease and dirt. Especially suited for watch movements. For better cleaning, remove the circuit to expose the mechanical drive train. For mechanical watches, spray cap jewel to remove old contaminated oil without taking movement apart. Eleven ounces.

Stock #	Description
CL975	Watch Movement Cleaner

VOH Arm

Arm for pressure and vacuum. Requires 40mm hole. Swiss.

Stock #	Description
BN1452	Arm for Pressure and Vacuum

BG5504-VA14

BG5504-VA27

BG5504-VA15

BG5504-VA01

BN1452-1

BN1452-2

BG5504-VA03

Accessories for Vacuum Dust Extractor

Stock #	Description
BN1452-1	Aluminum Vacuum Hand-piece
BN1452-2	Pressure Hand-piece Stylus
BG5504-VA01	Plastic Vacuum Hand-piece
BG5504-VA14	Soft White Suction Brush
BG5504-VA15	Coarse Blue Suction Brush
BG5504-VA27	Martin Fur Suction Brush
BG5504-VA03	Wire Stylus Stand

Note: For Panther Compressor, see page 335.

Jun-Air Compressor

Create pressure efficiently to 175 psi or 12 BAR. Use with accessories for many uses requiring powerful air. Gauges show tank pressure and hose pressure.

Stock #	Description
AC6411	Jun-Air Compressor

AC6411 & Y Valve AC6410

AC6410 Y Valve, .01 Micron Filter, Regulator

AC64111/6

To Proofmaster

Jun-air Valve for Six Benches

Six-bench valve body. Connect three to six benches to receive pure air filtered to .01 micron.

Stock #	Description
AC6411/6	6 Bench Valve

Jun-air "T" Connector

"T" Hose connector for two bench set-up.

Stock #	Description
VIB-HOSE-T	"T" Connector

To Waterproof Tester

AC6410

VIB-HOSE-PRESSURE

Workbench Pressure Valve System

Add clean, compressed air to your bench with this filtered valve system from Jun Air. Attach the pressure handpiece BN1452-2 to the AC6410 valve and benefit from precise, adjustable air pressure at your bench. Filters air to 1/100 of a micron. Pressure is recommended at 50 PSI.

Stock #	Description
AC6411	Jun Air Compressor, 12 Bar, 175 PSI
AC6410	Pressure Y Valve System Only
BN1452-2	Aluminum Pressure Hand-piece
VIB-HOSE-PRESSURE	Legris Pressure Hose, 6mm

Single Bench Vacuum System

Use this complete vacuum unit to remove impurities from difficult to reach areas in delicate quartz watch movements. Made in the USA, with included accessories supplied by Bergeon of Switzerland.

- BG5504-VA03 hose support stand
- BG5504-VA01 vacuum hand-piece stylus
- BG5504-VA14 soft white suction brush
- In-line air filter
- 14' suction hose
- Motor muffler

Stock #	Description
AC6100V	Vacuum Dust Extractor

Double Bench Vacuum System

Per customer request, we've designed a system to run two vacuums off one motor using our custom designed fittings. The vacuum handpiece uses a soft brush for protection of delicate parts. This setup uses wire stands to hold the hoses on the bench. May also be used with VOH arms.

Stock #	Description
AC6100/V2	Vacuum System

Single Bench Vacuum System with VOH Arm

For single bench. Includes one VOH arm with vacuum and pressure handpieces.

Stock #	Description
AC6110/VPA	Single Bench VOH System

Double Bench Vacuum System with VOH Arms

For two benches and two VOH arms. Includes pump and two VOH arms with vacuum and pressure handpieces.

Stock #	Description
AC6110/V2VPA	Two Bench VOH System

Parts Holding Baskets with Metal Handles

Parts holding baskets are perfect for ultrasonic or steam cleaning. They open/close with spring action for quick loading and unloading, and the fine mesh screen keeps small parts together. Stainless steel in two sizes.

Stock #	Description	Diameter	Length
HO751.00	Stainless Steel	2½″	7″
HO750.00	Stainless Steel	1½″	6½″

Parts Holding Baskets with Plastic Handles

Stock #	Description	Diameter	Length
HO756.00	Large Basket	2½″	6½″
HO755.00	Small Basket	1½″	6″

Zap-Trap

Simple, yet effective drain trap with a stainless steel rim and screen is heavy enough to stay put. The fine mesh catches the smallest of stones and particles. Zap-Trap fits virtually any sink drain from 1⅛" to 2½" in diameter.

Stock #	Description
CL225.00	Zap Trap

Stainless Steel Miniature Parts Cleaning Basket

Bergeon basket with screw-type lid holds very small parts. Swiss.

Stock #	Diameter
BG4734	16mm
BG4735	23mm

Small Lidded Task Baskets

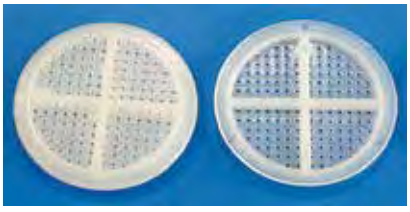
Use 20 x 12.3mm mesh basket with snap-on lid for extremely small parts such as optical screws or small stones.

Stock #	Description
VIB-ACS900-17131	Swiss
VIB-RM06	German
CL636.00	India

Miniature Parts Brass Cleaning Baskets

Screw-type small brass parts baskets hold parts during cleaning.

Stock #	Description
CL23.0500	16mm
CL635.00	24mm



Small Parts Basket

Plastic snap-together basket is 26mm x 6mm.

Stock #	Description
VIB-ACS900-17134	Plastic Basket

Bend-to-Fit Baskets

Bend handle of strainer to custom fit and hang onto the side of your ultrasonic unit.

Stock #	Description	Diameter	Length
CL640.00	Small Basket	2½″	6¾″
CL643.00	Large Basket	3″	7¼″

Small Task Baskets

Stock #	Description
CL645.10	Stainless Steel, 2 1/2″ D x 3½″ H
CL645.00	Stainless Steel, 2 1/2″ D x 4″ H
VIB-207.038.0000	Plastic (Hostalen), 3″ D x 7″ H

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Bench Top Bead Blasters

Apply a satin finish in grooves or crevices of a ring, plus clean difficult areas before soldering or finishing. The CL4000 unit is equipped with an on/off switch inside the blasting cabinet and a 1/16″ ceramic spray pencil. The CL4001 allows greater control of the 1/8″ carbide tipped spray pencil with a floor switch. Both cabinets recycle the media, are lighted, have replaceable mylar viewing windows and work-holding gloves. Use glass beads to texturize and to create a shiny satin finish. Clean metal with aluminum oxide grit. Measures 16″ W x 12″ D. Operates on 110 volt electrical and requires a 80-90 psi compressor with a minimum of 1.5 cfm.

Stock #	Description
CL4000	Blaster with 1/16″-.060″ Tip, Cabinet Switch
CL4001	Blaster with 1/8″-.125″ Tip, Foot Switch
CL4000/3	Mylar Replacement Windows, Pkg/12
CL4122	Replacement Gloves, 1 Pair
CL4000/2	Filter
CL4000/4	1/16″ Nozzle

Sandblasting Media

Stock #	Description
CL4100	Medium Glass Texturing Media, 5 Pounds
CL4170	Fine Glass Texturing Media, 5 Pounds
CL4120	Medium 120 Aluminum Oxide Grit, 5 Pounds
CL4180	Fine 180 Aluminum Oxide Grit, 5 Pounds

Ultrasonic Watch Cleaning

Ultrasonic Automatic Watch Cleaning Machine

Place watch parts in the appropriate-sized basket, start the Greiner Vibrograf, and walk away. Automatic cleaning machine uses baskets in multiple jars and utilizes back and forth rotation plus ultrasonics to clean watch parts. The first jar cleans ultrasonically, the other three jars rotate back and forth at variable speeds: one for cleaning and three for rinsing. The final step is drying. Shipping weight 88 pounds.

Stock #	Description
VIB-ACS900U	Vibrograf Cleaning Machine

These movement holders and this set of 64mm baskets comes with the ACS 900 ultrasonic watch cleaning machines. Includes four metal baskets plus lid as detailed on the right.

Basket Replacement Parts

Connector provided with the machine connects both 64mm baskets and 80mm baskets.

Stock #
VIB-ACS900-17090

Basket top.

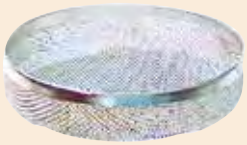
Stock #
VIB-ACS900-17091

Plastic outer basket holder.

Stock #
VIB-ACS900-17092

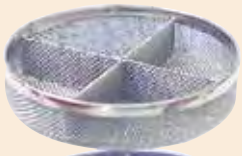
Flat basket lid.

Stock #
VIB-ACS900-17132



Nondivided basket.

Stock #
VIB-ACS900-17129



Four-compartment basket.

Stock #
VIB-ACS900-17128

Five various sized “H style” compartments basket.

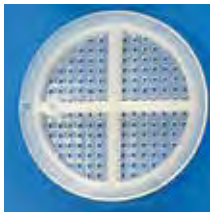
Stock #
VIB-ACS900-17127

Small Parts Basket

Metal mesh with lid, measuring 20mm wide and 13mm high.

Stock #
VIB-ACS900-17131

Small Parts Basket



Optional non-marring plastic mesh basket with lid, measuring 22mm wide and 6mm high.

Stock #
VIB-ACS900-17134

80mm Optional Stainless Steel Baskets

Connector provided with the machine connects both 64mm and 80mm baskets.

Stock #

VIB-ACS900-17090

80mm connector only. Fits VIB-ACS900-1791.

Stock #

VIB-ACS900-17098

Flat basket lid.

Stock #

VIB-ACS900-15852

Non-divided basket.

Stock #

VIB-ACS900-15850

Four compartment basket

Stock #

VIB-ACS900-15851

Eight various sized compartments.

Stock #

VIB-ACS900-15849

Eight various sized compartments.

Stock #

VIB-ACS900-15848

Eight small compartments plus round center area.

Stock #

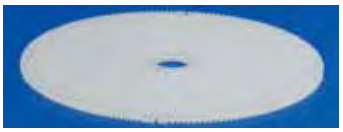
VIB-ACS900-15847

Outer basket holder. Holds up to four metal baskets or five plastic baskets.

Stock #

VIB-ACS900-15853

80mm Optional Plastic Baskets



Flat basket lid.

Stock #

VIB-ACS900-15880

Non-divided single height.

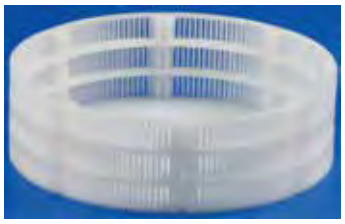
Stock #

VIB-ACS900-15881

Non-divided double height.

Stock #

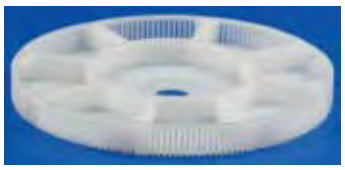
VIB-ACS900-15897



Non-divided triple height.

Stock #

VIB-ACS900-15896



Eight small compartments with round center area.

Stock #

VIB-ACS900-15894

Eight compartment with .65 x .65 square side holes.

Stock #

VIB-ACS900-15892

Eight various sized compartments.

Stock #

VIB-ACS900-15895

Four compartment basket.

Stock #

VIB-ACS900-15882

Eight compartment basket.

Stock #

VIB-ACS900-15883

Twelve various sized compartments.

Stock #

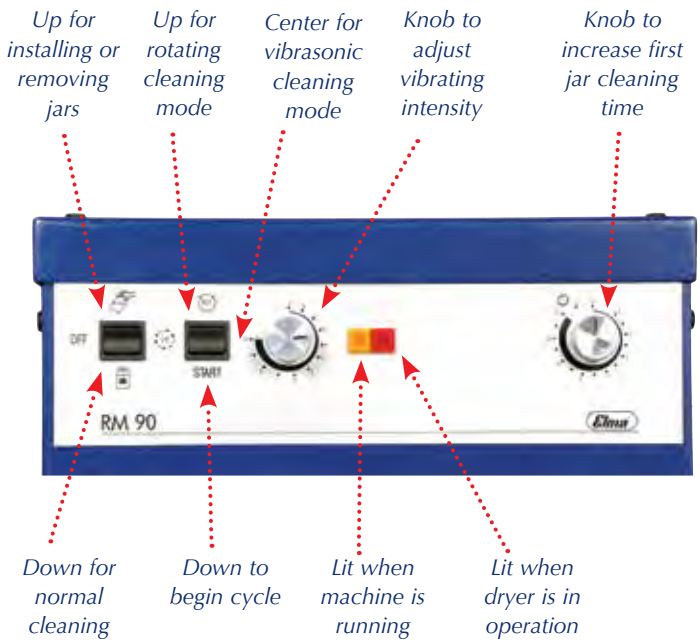
VIB-ACS900-15884

Elma RM-90 Automatic Vibrasonic Watch Cleaner

Clean and dry up to six watch movements using an automatic three-jar system. The first jar uses variable vibrosonic cleaning power, and the second and third jars have fixed vibrosonic frequency power. All jars have a back and forth cleaning motion. A separate heated drying chamber is included. Includes three 64 mm stainless steel parts baskets and a 16mm small parts thimble baskets shown below. 110 volts.

Stock#	Description
VIB-RM90	Auto Watch Cleaner

VIB-RM6038 & VIB-RM1101 Included with RM90



VIB-RM1101 Included with Super Elite

Super Elite Cleaner

Clean watch parts efficiently in this three-jar system. The motor rotates one way to the cleaning jar, then the two rinsing jars, finally finishing in the heated drying chamber. Adjust the rotational speed of the 64mm cleaning baskets. Timer indicates when the cycle is finished.

Stock#	Description
VIB-SE1	Super Elite Cleaner

RM90 Replacement Parts

VIB-RM0411 Micro Switch

VIB-RM6040 Master Board for Electronics

VIB-RM9337 On/Off Switch

VIB-RM9416 Rotating On/Off Switch

VIB-RM9274 Cork for Floating Jar Cover

VIB-RM9273 Upper Plate for Jar Cover

VIB-RM9741 Lower Plate for Jar Cover

VIB-RM9275 Cork Gasket for Basket

VIB-RM9270 Cork Ring for Basket

VIB-RM9740 Sliding Lid Over Basket

VIB-RM9287 Tension Spring for Table

VIB-RM9462 Motor for Lifting Basket

VIB-RM4062 Motor for Turning Basket

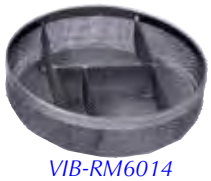
VIB-RM9466 Motor for Timing Basket

VIB-RM9016

VIB-RM6016&6017

VIB-RM6012

VIB-RM6014



VIB-RM6014

VIB-RM6018

VIB-RM6013

VIB-RM6015

VIB-RM9104

RM90 & Super Elite Baskets

Purchase additional baskets for convenience.

Stock#	Description
VIB-RM1101	Basket Complete
VIB-RM6012	Undivided Basket, ⅓ size
VIB-RM6014	Divided "H" Basket
VIB-RM6016&6017	Thimble Basket with Lid
VIB-RM6018	Mesh Lid, 64mm
VIB-RM9106	Plastic Basket Holder
VIB-RM6013	Four-Compartment Basket
VIB-RM6015	Nine-Compartment Basket
VIB-RM9104	Undivided Basket, Full 2½" Deep

Super Elite & RM90 Replacement Parts

VIB-RM9052 Replacement Jar

VIB-RM9003 Cork Strip for Jar Support

VIB-RM2906 Heating Element

VIB-RM9762 Lid with Cork Ring
VIB-RM9054 Cork Ring Only

VIB-RM9378 Replacement Clip

Zenith Radiant

Watch and clock cleaner leaves a shine as well as cleaning parts. Low odor solution received positive reviews from watchmaker's tests.

Stock #	Size
ZEN-777	Gallon

Drizebright

Drizebrite rinse is compatible with Radiant and other watch and clock cleaning solutions. It's the ultimate final rinse.

Stock #	Size
ZEN-101	Gallon

111 Ultrasonic Watch Cleaning Solution

Special ammoniated cleaner to use with all L&R ultrasonic rinses and ultrasonic watch cleaning systems.

Stock #	Size
LR-112	Gallon

566 Ultrasonic Watch Cleaning Solution

Non-ammoniated cleaner to use when ammonia fumes are unacceptable. Use with L&R ultrasonic watch rinsing solution or L&R #3 Rinse.

Stock #	Size
LR-115	Gallon

677 Ultrasonic Clock Cleaning Solution

Meets the heavier-load demands of cleaning clock movements. Ready-to-use, waterless and non-ammoniated. Use ultrasonic watch rinse LR-121.

Stock #	Size
LR-135	Gallon

Clock Cleaning Solution Concentrate

Concentrated, water-based, ammoniated product. Mix with water. Use #3 Rinse.

Stock #	Size
LR-134	Gallon

Clock Lube Rinse

Complete lubricating and rinsing solution. For use with L&R #677 Clock Cleaning Solution.

Stock #	Size
LR-136	Gallon

Hair Spring Cleaner

Non-carcinogenic.

Stock #	Size
ZEN-505	100 ml

Texwipe Cleaning Swabs

The Poly CleanTip is for heavy cleaning. Use CleanFoam for final cleaning on dial hands and crystals.

Stock #	Size
CL-TX700	20 Each of CL-TX758, CL-TX757, CL-TX751
CL-TX758	Poly CleanTip Flat Tip
CL-TX757	CleanFoam Flat Tip
CL-TX751	CleanFoam Pointed Tip

Ultrasonic Watch Rinse

Ideal for ultrasonic cavitation, can use with all L&R watch cleaning solutions. Fast drying, will not break down.

Stock #	Size
LR-121	Gallon

Extra Fine Watch Cleaning Solution

Use in mechanical watch cleaning machines when a more efficient cleaning liquid is needed.

Stock #	Size
LR-109	Gallon

#3 Watch Rinse

Quick-drying solution is a specially-formulated clear, petroleum distillate. Has no benzol or chlorinated solvents and leaves no oily film.

Stock #	Size
LR-118	Gallon

HerMil™ One Step*

Use in the final rinse to ensure an even coating of lube throughout the watch. This non-plastic formula eliminates the curing process needed with plastic lubes. Eight ounces.

Stock #	Description
CL1290*	One-Step

**ORM-D Gound shipping only.*

One-Dip Cleaner

Clean and protect watch and clock hairsprings rapidly and effectively.

Stock #	Size
CL500	Two oz.
CL501	Half Pint
CL509	Quart

One-Dip Brushes

Disposable brushes made of fine quality camel hair are mounted in a quill handle. Will not deteriorate when stored in One-Dip Cleaner.

Stock #	Description
BG1300-6	Swiss
BU16.212	Economy

Glass Cleaning Cup

High-quality ground glass cups. Swiss.

Stock #	Size
BG5445A	35mm with Glass Handle
BG30513-060	60mm with Knobbed Lid
BG30513-080	80mm with Knobbed Lid
BG30514-060	60mm with Plain Lid
BG30514-080	80mm with Plain Lid

Cut Glass Alcohol Cup

Outside diameter $2^{7}/_{8}$", height $1^{7}/_{8}$", capacity $1^{1}/_{2}$ ounces.

Stock #	Description
CP327	Cut Glass

Knobbed-lid Alcohol Cup

Outside diameter $3^{1}/_{4}$", height $2^{3}/_{8}$", capacity $3^{1}/_{2}$ ounces.

Stock #	Description
CP326	Clear Glass with Knob

Plain Alcohol Cup

Crystal clear with capacity of 3 ounces. $2^{3}/_{4}$" D x 2" H.

Stock #	Description
CP330	Plain Alcohol Cup

Rodico, Pegwood, Pithwood

AF Rub-Off

Use for cleaning pivots, train wheels, removing finger prints and stains, excess oil from jewels, and taking out broken pivots. Slightly stickier than Rodico, watchmakers use Rub-Off for the initial cleaning and then finish off with Rodico. Two bars per package.

Stock #	Description
CL18580	Rub-Off

Original Rodico

Use to protect stones when laser welding, remove lines and fingerprints from delicate watch parts.

Stock #	Description
BG6033	Two Rodico

Sawdust

Extra-fine quality, guaranteed free from foreign substances. Used for cleaning and drying jewelry and watch parts. One pound bag.

Stock #	Description
CL530	Sawdust

Rodico

Improved gray Rodico is super for cleaning balance and train-wheel pivots, plus removing excess oil and broken pivots from watch jewels.

Stock #	Description
BG7033	Two Rodico

Sticky Mat

Enhance cleanliness with tacky floor mats. A clear release sheet protects the top sheet of the Sticky Mat until it is ready to use. Pull corner tab to remove individual sheets. The corner tabs are consecutively numbered to ensure removing only one sheet at a time. 26" x 45". Four mats per case, 30 sheets per mat.

Stock #	Description
CL2645	Clean Room Sticky Floor Mat

Pegwood

French orange wood keeps a fine point and resists breaking when in jewel hole. Approximately 24 sticks per bundle.

Stock #	Size	Description
PW602	5¾"	2mm Extra Fine
PW602-1/2	5¾"	2.5mm Fine
PW603	5¾"	3mm Small
PW604	5¾"	4mm Medium

Latex Finger Cots

Keep fingerprints and moisture off movements and parts while handling. Swiss.

Stock #	Quantity	Size
BG5840M/144	144	Medium
BG5840L/144	144	Large
BG5840XL/144	144	X-Large

Florida Button Pithwood

Clean pinions and tweezers. Hold small parts such as pallet forks while brushing.

Stock #	Description
PW23334	Assorted Sizes
PW23333	Small - ½"
PW23331	Large -1¼"

Pithwood Sticks In Bundles

Good for cleaning watch hands. Removes finger prints without damaging surface. Approximately ten sticks per bundle, 5¾" long.

Stock #
PW17792

Pithwood Sticks in Bundles

Use these imported pithwood sticks to clean watch hands.

Stock #
PW17792E

Kimwipes

Use these scientific, delicate wipes to clean watch and jewelry parts. Each box contains 280 4.4" x 8.4" fiber wipers.

Stock #	Size
PA148	4.4″ x 8.4″

Polipivot Kingswood

Bergeon's Polipivot Kingswood has 10 slices per box. Swiss.

Stock #	Description	Size
BG4749	Polipivot Kingswood Slices	1.13″ x .75″ x .38″

Synthetic Sponge

Synthetic sponge foam. Swiss.

Stock #	Description	Size
BG7011-BM	Synthetic Spongeous Foam	3.13″ x 1.25″ x .5″

Set of 6 Countersinks

Double-ended countersinks in steel, in a plastic pouch. Sizes 1.8 to 5mm.

Stock #	Description
RM17262	Countersink Set

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Bergeon Clock Bushing Tool Set

Replace worn bushings accurately and easily. Ten reamers sizes #14-23, 3 driving punches, 6 stakes, 1 centering bit #13, and 1 chamfering bit #24 in storage box. Swiss.

Stock #	Description
BG6200R	Smaller Set
BG6200	Complete Set

Clock Key Gauge

Check the size of clock keys using this handy gauge.

Stock #	Description
GA230	Clock Key Gauge

Hole Closing Punch Set

Set of seven punches in graduated sizes for clock plates. Replacement punches available in sizes 3 - 6 only.

Stock #	Description
PN200	Seven-Punch Set

Single End Clock Keys

Quality keys have a wide handle. CM111/3.25, CM111/3.50, CM111/4.00 have 1.95mm small holes. CM111/3.75 has a 1.75mm small hole.

Number	Economy Stock # / Size	Double Ended
00	CM110/2.00	
1	CM110/2.50	
2	CM110/2.75	
3	CM110/3.00	
4	CM110/3.25	CM111/3.25
5	CM110/3.50	CM111/3.50
6	CM110/3.75	CM111/3.75
7	CM110/4.00	CM111/4.00
8	CM110/4.25	
9	CM110/4.50	
10	CM110/4.75	
11	CM110/5.00	
12	CM110/5.25	
13	CM110/5.50	
14	CM110/5.75	
CM110/ASST	Assortment of 10 Keys, 3mm - 5.25mm	

Clock Key Gauge

Check the size of clock keys using this handy gauge.

Stock #	Description
GA230	Clock Key Gauge

Economy Watch Winding Keys

Stock # / Size in mm	Number
CM100/0.95	12
CM100/1.00	11
CM100/1.05	10
CM100/1.15	9
CM100/1.20	8
CM100/1.30	7
CM100/1.40	6
CM100/1.50	5
CM100/1.60	4
CM100/1.65	3
CM100/1.75	2
CM100/1.80	1
CM100/1.90	0
CM100/2.00	00
CM100.14	14 Key Assortment

5 Prong Clock Keys

Winding keys for clocks.

Stock #	Type	Sizes
CM228	Even	4, 6, 8, 10, 12
CM229	Uneven	3, 5, 7, 9, 11

CAT-F CAT-M CAT-B CAT-MALLARD CAT-CRY CAT-T CAT-HP

Jules Borel & Co. Catalogs

View PDF Catalogs on our website or order a printed copy.

Stem Tap: Measure these tap sizes.
tap 13 —.60mm
tap 12 —.70mm
tap 11 —.80mm
tap 10 —.90mm
tap 9 —1.00mm
tap 6 —1.20mm

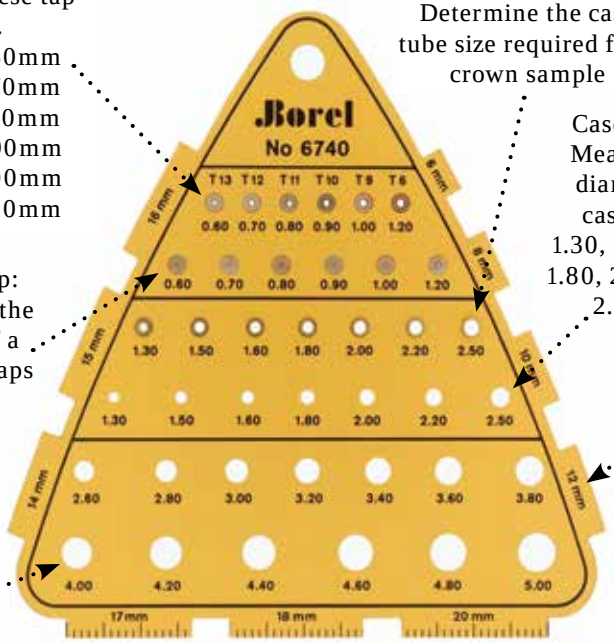
Crown Opening: Determine the case tube size required for a crown sample

Case Tubes: Measure the diameter of case tubes 1.30, 1.50, 1.60, 1.80, 2.00, 2.20, 2.50mm

Crown Tap: Determine the tap size of a crown for taps 6 to 13

Crown Diameter: 2.60, 2.80, 3.00, 3.20, 3.40, 3.60, 3.80, 4.00, 4.20, 4.40, 4.60, 4.80, 5.00

Case Lug Width: Measure the width of strap or band 6, 8, 10, 12, 14, 15, 16, 17, 18, 20mm



Shown Actual Size

Multi-Purpose Crown Gauge

Use this tool every time you need to replace a stem, crown, tube, spring bar or strap. Includes small sizes used in today's quartz watches. Designed by and specially manufactured in Switzerland for Jules Borel & Co.

Stock #	Description
BG6740	Multi-Purpose Crown Gauge

Watch Crown Cutters*

Remove metal from inside of crowns to enlarge crowns to fit case tubes.

Stock #	Description
RM172.640	Set of 3
RM172.640.2	2mm Cutter
RM172.640.4	4mm Cutter
RM172.640.6	6mm Cutter

**Note: This product may be temporarily unavailable. Please call before placing an order to check status of stock.*

Crown Winders

For mechanical watches and turning the hands on mechanical and quartz watches. Swiss.

Stock #	Description
BG30409D	2-4mm Crowns
BG30409A	3-5mm Crowns
BG30409C	4-6mm Crowns
BG30409B	5-7mm Crowns

Sleeve Wrench

Sleeve wrenches for pocket watches have 10 or 14 prongs.

Stock #	Description
BG3023-10	10 Prong, Swiss
SL178580	14 Prong, Swiss

Split Stem Winders

Two tools, with male and female ends, for winding movements with split stems when movement is uncased. Knurled handle, 70mm long x 4mm diameter. Swiss.

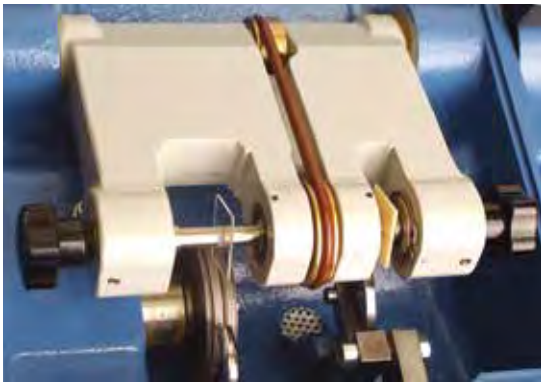
Stock #	Description
BG5727MF	Split Stem Tool

KronoGlass Crystal Machine

KronoGlass® Crystal Machine

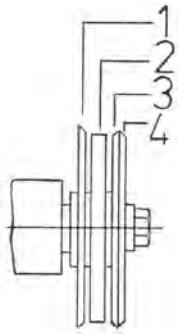
Reproduce almost any flat mineral glass watch crystal with a bevel using this semi-automatic pantograph mineral glass watch crystal grinding machine. A crystal is quickly made by following an original or a plastic pattern. It features four diamond grinding wheels, water pan and pump, all the supplies, plus 60 assorted sizes of watch crystal blanks. 110 Volts.

Stock #	Description
KRONO-1	Kronoglass Machine



Stock #	Description
KRONO-BLUE BLOCK	Crystal and Pattern Holder

This replacement block includes a rear axle, rear brass drive wheel, green drive belt, front brass drive wheel and right and left pattern holders.



Stock #	Description
KRONO-WHEEL/1	Top Bevel Cutting Wheel
KRONO-WHEEL/2	Main Cut Down Wheel
KRONO-WHEEL/3	Bottom Bevel Cutting Wheel
KRONO-WHEEL/4	Top Finishing Bevel Wheel

Accessories for Kronoglass

Stock #	Description
KRONO-K1	Powdered Resin
KRONO-K2/SM*	Hardening Liquid
KRONO-K2/LG*	Hardening Liquid
KRONO-K3/SM	Emulsible Oil Small, Coolant Additive
KRONO-K3/LG	Emulsible Oil Large, Coolant Additive
OL355.00	Lubricating Oil
KRONO-K5	Diamond Wheel Cleaning Stone
KRONO-BELT	Upper Driving Belt
KRONO-PPTIP	Plastic Tips for Holding Glass
KRONO-BTIP	Brass Tips for Holding Pattern
KRONO-CONVEX	Holding Device for Curved Crystals
KRONO-BOWL	Mixing Bowl for Mold Making
KRONO-FUSE	4 amp, Fast Acting
KRONO-BULB	Light Bulb for Beveling Warning Light

** Hazardous Item*

Attack® Glue Dissolver

Dissolves cured epoxy and resins (but not Super Glue). Must be used in an open, well-ventilated area. Ground shipment only.

Stock #	Size
CE456	8 Fluid Ounces

Ultra-Violet Light

Four compact UV bulbs provide even, quick curing of UV-activated cement.

Stock #	Description
LM174.270	UV Lamp
LM174.270/TUBE	Tube Bulbs

Ultra-Violet Curing Lamp

Use to cure UV-activated cement. Low heat generation. 110 volts.

Stock #	Description
LMZ-2	UV Lamp
LMZ-BULB	UV Bulb

Crystal Kleer™

Remove scratches from crystals. Press gently to prevent burning the plastic crystal.

Stock #	Description
PS47.310	5 oz.

Crystal Bright

Use a small amount of Crystal Bright on your buffing wheel or a Selvyt cloth to remove minor scratches or abrasions on plastic crystals.

Stock #	Description
PS603.00	3 oz. Crystal Bright

UV Glass Crystal Adhesive

Provides an invisible bond line with the same clarity as glass. Cures only under ultra-violet light from a lamp or sun. Easy-to-use 3 ml. syringe.

Stock #	Description
CE342	UV Cement
CE341	Replacement Needle

Crystal Polishing Compound

This 3¼-pound bar is designed to remove scratches from plastic crystals, and offers an excellent value compared to other brands. Made in Germany.

Stock #	Description
PSX399	Crystal Polish

PolyWatch® Scratch Remover

Apply a small amount of this special-purpose polishing paste to the plastic watch crystal and use a soft cloth to rub the scratched area for 2-3 minutes. Each tube contains enough polish for 10-12 applications.

Stock #
PS47001

Rocket® Crystal Cement

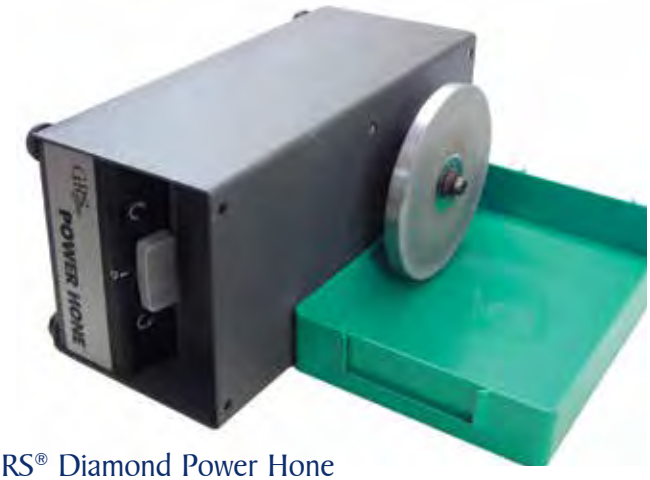
For plastic crystals. Imported. Approximately .33 oz.

Stock #	Description
CE-SUC	Rocket Crystal Cement

G-S® Crystal Cement

Cement designed and manufactured specifically for both plastic and glass watch crystals as well as other crafts. Convenient one-ounce tubes with pin point applicator.

Stock #	Description
CE411	GS Cement



GRS® Diamond Power Hone

Multi-purpose precision grinder sharpens gravers and tools quickly without heat. This unit doubles as an excellent crystal grinding machine. Great for finishing the edges of hand made glass patterns. Includes medium (600 grit) diamond wheel. For crystal grinding, turn the power hone in its side and order the TR160/2, as shown above.

Stock #	Description
GRS001-525	Power Hone Without Tray
TR160/2	Green Plastic Splash Tray

Xtracil Case and Crystal Sealer

Apply to case back or bezel with tip of a fine watch oiler. Solidifies and forms an invisible film after several minutes, rendering the watch back or crystal impermeable to external contaminants such as water and dust. Swiss.

Stock #	Description
CE168.050	Complete Kit with Base

Refills:

CE168.050B	Blue Liquid, Metal Case Backs
CE168.050W	White Liquid, Mineral & Plastic Crystals
CE168.050Y	Yellow Liquid, Gold Case Backs

Watch Protecting Pads

Protect watch crystals and case backs from scratches and dust with plastic covers. Removable, self-adhesive, transparent, round pads. 100 pieces per package.

Stock #	Width
TA-M616	16mm
TA-M617	17mm
TA-M620	20mm
TA-M624	24mm
TA-M628	28mm
TA-M630	30mm
TA-M632	32mm
TA-M634	34mm
TA-M636	36mm
TA-M638	38mm
TA-M640	40mm
TA-M642	42mm

Bezel Holder

Hold bezels for polishing. Attach to a polishing motor to spin bezel while polishing bezels or cases.

Stock #
HO-M500

Static-cling Vinyl Wraps

These high quality, reusable 2 x 5" clear vinyl strips are easy to apply and remove from any smooth surface. Use them to wrap the entire case.

Stock #	Description
TA-M2050	250 Wraps Per Roll

Crystal Catalog

Full-color catalog includes crystals, tools, and reference information. Order CAT-CRY.

If you have the catalog, check that you have the 2012 update, too. If not, order CAT-CRSUP-12.

Magic Seal

Seal crystals and case backs with this non-toxic, odorless sealer. Invisible when dry.

Stock #
CE168.055

Bergeon Universal Crystal Lift for Fancies

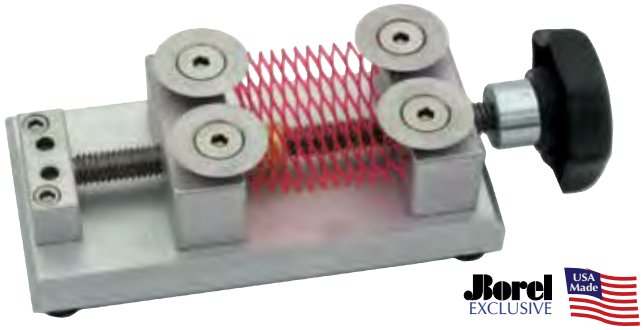
Fancy lift has a flexible internal ring so jaws fit shapes other than round. Includes standard platform. Swiss.

Stock #	Description
BG6400	Crystal Lift
BG6400D	Replacement Flat Gasket
BG4266E	Standard Platform
BG4266A	High Crystal Platform

Crystal Removing Pump

Remove unbreakable crystals from one piece watch cases. Includes three case tube attachments. Sizes: 1.6, 2.0, and 2.5mm.

Stock #	Description
BG5011	Crystal Removing Pump
Accessories:	
BG5011A/1.6	Pump Tube Attachment, 1.6mm
BG5011A/2.0	Pump Tube Attachment, 2.0mm
BG5011A/2.5	Pump Tube Attachment, 2.5mm
BG5011B	Key for Removing Two-Piece Stem



Round Crystal Remover and Inserter

Provides the safest and easiest way to remove unbreakable watch crystals without dismantling the watch. The jaws of the standard remover open from 12 to 37mm for both ladies' and men's watches. The Bergeon remover opens from 10 to 45mm.

Stock #	Description
BG4266	Bergeon Swiss Remover
BG6400D	Replacement Gasket
RM365X	Economy Remover

Bergeon Bezel Remover

Use on revolving bezels only. Three adjustable jaws move in to grip a bezel while the center plastic plunger rotates against the crystal. Made for Tag Heuer brand watches, but works on other revolving bezels. Swiss.

Stock #	Description
BG6820	Bezel Remover
BG6820M	Replacement Jaw
BG6820/17	17mm Plunger
BG6820/22	22mm Plunger

1. *Unscrew the large and small knobs at the top of the tool.*
2. *Slide the bottom three jaws outward to fit the bezel.*
3. *Place watch in center of the tool and slide the jaws forward under the bezel edges.*
4. *Tighten the large knob at the top until just before it slips.*
5. *Tighten the smaller knob until it touches the crystal.*
6. *Hold the case firmly with one hand and twist the tool with the other hand counterclockwise while pulling upward or back toward you.*

JA Fixed Bezel Removing Tool

High quality rotating jaws provide precise operation and long-term usage. Designed and manufactured by John Annibali to remove fixed bezels on high end watches, this unique circular-style removing blade is the latest innovation. Jules Borel & Co. exclusive. Made in the USA.

Stock #	Description
RMB300	Bezel Remover

Crystal Presses

Bergeon Professional Crystal Press

Fit crystals and tension ring crystals. Includes: 12 reversible, tapered upper fixtures from 15 to 44mm, nine lower convex plastic fixtures from 12 to 40mm, nine lower reversible fixtures from 16 to 33mm, a universal lower stake, crystal press and large wooden base to store fixtures. Swiss.

Stock #	Description
BG5500A	Pro Crystal Press

Bergeon Professional Crystal Press

Set has nine reversible upper dies, 18-35mm for tension ring crystals, one universal stake, and crystal press. Swiss.

Stock #	Description
BG5500C	Set of Base & Dies
BG5500	Press Only

Case Press with Nylon Dies

Includes six flat and six tapered snap-on nylon dies.

Stock #	Description
CRY911.00	Case Press & Nylon Dies

Horotec Compact Case Back & Crystal Press

Use solid press to close case backs or to press in mineral glass crystals.

Stock #	Description
CO-M130	Snap-on 6 Fixtures
CO-M161	Heavy-Duty Rack and Pinion Press

Heavy Duty Crystal & Case Press

This popular heavy-duty press sits on the bench or counter. It has a plier-type grip for applying pressure and aluminum dies. Set of 15 reversible straightwall/tapered dies, 32.5mm-18.5mm inside diameter. Includes 1 flat 20mm die.

Stock #	Description
CO502F	Press with 16 Reversible Dies
CO520	Optional 6 Extra Large Dies

Case Press with 14 Nylon Dies

Cast metal case press has 14 exclusive straight-wall nylon dies that will not scratch or mar crystals.

Stock #	Description
CRY905.00	Press & Nylon Dies

Swiss Heavy Duty Press

Use this heavy duty press when even pressure is necessary. Ideal for mineral glass crystals with gaskets, tension ring crystals and case back closing.

Stock #	Description
BG6173	Heavy Duty Press

Case Back and Crystal Press

This complete set fits G-S tension ring crystals and PA waterproof crystals. Use also to open and close conventional and digital watch cases. 30 pieces as shown.

Stock #	Description
GS-HP5	GS Set

Wood Dapping Block

Hardwood block and punches are useful for shaping lockets and cases as well as removing dents. Block is 2 1/4" square, with shallow cups of different sizes on each side.

Stock #	Description
DA128.00	Dapping Block

Wooden Design Block

Unique hardwood block for shaping metals and removing dents, has semicircular and V-shaped grooves, two boxes and four different dishes. 2 3/4" on all sides.

Stock #	Description
DA25.080	Design Block

Dapping Die

Hardened steel or bronze with six working surfaces and different sizes of depressions up to 1 3/4" for shaping and working metal.

Stock #	Metal	Depressions	Size
DA376	Steel	21	2 1/2"
DA126.00	Bronze	41	2"

Dapping Die/Design Block

Hardened steel with fourteen hemispherical depressions ranging from 1/8" - 7/8" at 1/16" intervals, plus 1". Depressions fit punches perfectly and have a satin smooth finish.
Block edges contain eight different sized semi-circles for shaping rings, setting stones and bezels, etc. 3 3/16" x 2 1/2" x 7/8".

Stock #	Description
DA390	Die and Block

Twelve-Piece Punch Set

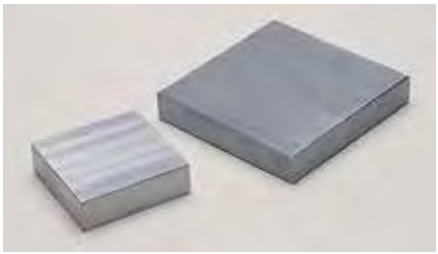
Set of twelve anodized steel punches with highly polished heads for shaping metals or using with dapping dies. Includes sizes 1/2", 9/16", 19/32", 5/8", 11/16", 23/32", 3/4", 25/32", 13/16", 7/8", 15/16", 1".

Stock #	Description
DA712.00	12 Punches in Stand

Dapping Die Punch Cutter Set

Use the cutters to make circles in wax and other soft materials. Use the punches for forming shells, balls and more. Set contents include half punches and half cutters.

Stock #	In Set	Sizes
DA387	24	7/64" - 9/16"
DA388	36	7/64" - 1"



Steel Bench Block

Steel blocks are case-hardened, then carefully drawn for stress relief. Use for flattening, chasing or riveting.

Stock #	Dimension
AN125	2 1/2" x 2 1/2" x 3/4"
AN127	4" x 4" x 3/4"

Jewelry Marking Pliers

Use on flat or curved surfaces for the simplest way to mark the inside of a ring, as small as a size 4. Position the ring over the stamp and squeeze the pliers. Plastic anvil prevents marring the ring. Nickel-plated, 5 1/2" length. Stamps sold separately.

Stock #	Description
PL2405	Pliers Only
PL2401/1	10K Stamp, Bent
PL2401/2	14K Stamp, Bent
PL2401/3	18K Stamp, Bent
PL2401/7	Sterling, Straight

Demagnetizers

Witschi Cyclonic

Test drive trains, test circuits, check hand positioning, test batteries and free a stopped train. Rapidly rotate the gear train to release oil and dirt from the bearings. This may enable a blocked movement to be restored to normal operation. This function is especially useful for watch cases that cannot be opened.

Stock #	Size
TS-CYCLONIC	5.3″ x 5.3″

Witschi Teslascope

Detect magnetism of mechanical watches and demagnetize.

Stock #	Size
TS-TESLASCOPE	5.3″ x 5.4″

Elma Antimag

Push button for instant demagnetizer. For watches, watch parts, and tools. Small pieces can be placed inside a plastic bag and placed on the demagnetizing area to ensure that no pieces are lost.

Stock #	Size
VIB-ANTIMAG	6.3″ x 5.1″

Antimag 2

Instant demagnetizer. Four inch demagnetizing zone. For use with small parts and tools.

Stock #	Size
VIB-ANTIMAG2	7″ x 4.75″

Compact Demagnetizer

Instant type unit features an attractive blue case, push button operation, and a light. 110 volts.

Stock #	Size
DE340.400	3.75″ x 2.3″ x 1.12″

Greiner Magnotest II

Detect magnetism in watches. Use with four AA batteries (included).

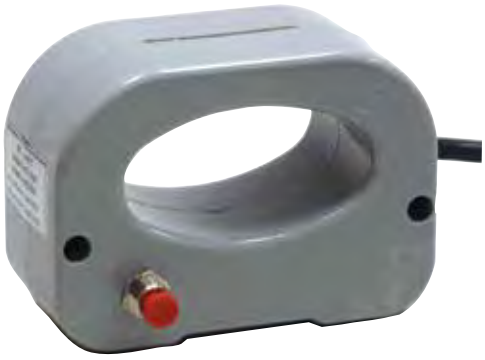
Stock #	Size
VIB-MAGNOTEST2	6.75″ x 3.75″

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Bergeon Demagnetizer

Demagnetize an item by passing it slowly through the tunnel while pressing the button. Repeat several times. 5 3/8" x 3" x 3". 110 volts.

Stock #	Description
BG2321	Swiss Demagnetizer



K&D Economical Tunnel Demagnetizer/Magnetizer

High power non-breakable plastic tunnel style demagnetizer. 1 1/2" x 3" opening. 300 watts. 120 volts. Made in the USA.

Stock #	Description
DE345.00	Economical Demagnetizer/Magnetizer

Greiner Magnomatic

Electronic demagnetizer uses alternating magnetic field of high frequency. Will not harm delicate parts. 115v and 7.9" deep x 4" wide.

Stock #	Description
VIB-MAGNOMATIC	Heavy Duty Demagnetizer

Compass

Use a compass to test for magnetism of a part or tool.

Stock #	Description
BG30104	Swiss Compass
BG30103	Compass in Wood Case
CS272	Basic Simple Compass

CAT-F CAT-M CAT-B CAT-MALLARD CAT-CRY CAT-T CAT-HP

Jules Borel & Co. Catalogs

View PDF Catalogs on our website or order a printed copy.

Dial Tools

Bergeon Dial Foot Soldering Machine

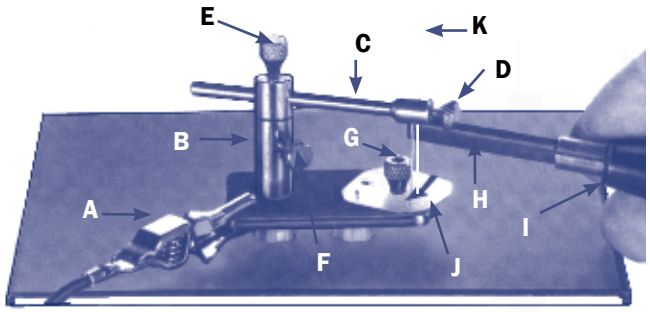
Allows you to change the dial feet on the back of the dial to whatever position you need based upon the movement you are installing. 6" x 5" x 3". Swiss.

Stock #	Description
BG6448	Dial Foot Soldering Machine

Includes:

BG6448L	Metal Wire for Dial Feet, .60mm
BG6448M	Metal Wire for Dial Feet, .80mm
BG6448N	Metal Wire for Dial Feet, 1.00mm
BG6448P	Solder Wire
BG6448Q	Flux
BG6448R	Fuse
BG6448S	Replaceable Carbon

Soldering Dial Feet



A. Alligator Clamp to Platform Base, Black Wire
B. Rotating Holding Post
C. Dial Wire Holder
D. Fix Screw, Dial Wire
E. Lock Screw for Wire Holding Arm
F. Lock Screw for Rotating Post
G. Dial Hold Down Screw
H. Rub Carbon Against Dial Wire
I. Carbon Holder. Red Wire
J. Dial
K. Dial Foot Wire (not shown)

Procedure:

Mark dial foot position using a twist drill. Position dial foot wire accordingly using the adjustable holding posts. Place a small piece of solder against the dial foot wire and hold in position. Rub carbon holder against dial foot wire, the heat produced from the electric current will melt the solder. This forms a collar of solder around the dial wire. Cut the dial foot wire to the appropriate length and remove the excess solder.

Note: Rotating the carbon while rubbing it against the wire produces a better heat transfer.

Plastic Dial Protector

Stock #	Description
BG6938	Dial Protector

Bergeon Dial Foot Bur Remover

Easily cleans away any excess solder at base of dial foot so dial will fit flat. Swiss.

Stock #	Description
BG30511	Dial Foot Bur Remover

Dial Support & Holder

Support and protect watch dials while working or storage. Hundreds of holes in the Delrin cylinder hold the dial feet. 50mm diameter.

Stock #	Description
BG7053	Support and Holder

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

ISO-TIP Tip Cordless Soldering Irons

Cordless soldering irons use soft solder to repair quartz watches and other electronic devices. Reaches soldering heat in five seconds and does up to 125 electric joints per charge. The Quick Charge recharges in 3 to 4½ hours. The Pro Charge recharges in 1 hour.

- Fine Tip
- Chisel Tip
- Recharching stand
- Replaceable battery
- Work light

Stock #	Description
SO7800	Pro Charge Yellow
SO7700	Quick Charge Gray

BU1020

BU1030

Anti-Static Dial Brushes

This Anti-Static brush removes the static charge and wipes away dust and lint. The soft delicate brushes will not damage the watch dial or hands. These brushes are made from the finest natural hair, blended with a special non-toxic conductive fiber. Also for use on: lenses, dials, film, slides and CD's.

Stock #	Size
BU1020	24mm Brush Width
BU1030	45mm Brush Width

Dial Washers

Assorted 500 Pieces. Swiss.

Stock #	Width
BG10045	For Wrist Watches
BG10046	For Pocket Watches

Copper Dial Feet

Assorted 100 Pieces. Swiss.

Stock #	Width
BG10039	For Pocket Watches
BG10040	For Wrist Watches

White Dial Repair Enamel

Heat to apply to dial.

Stock #	Description
BG1590	Dial Enamel

GemOro UltraTester II Diamond/Moissanite Tester

- Bright white LED stone illuminator light
- Fast warm-up time
- Unprecedented lifetime limited warranty
- State-of-the-art ULTRA digital electronics
- Durable and protective spring-loaded retractable ULTRA probe tip with cap
- Glowing probe tip indicator: DIAMOND = GREEN, MOSSANITE = BLUE and METAL WARNING = RED
- Ergonomic shape with angled probe tip
- May be used with GemOro UltraDock® battery charging stand accessory, DI752
- Exclusive metal warning beep tone indicator
- LED bar graph/beep tone provides audible and visual diamond, moissanite and white sapphire indication
- Battery saving auto sleep-mode function
- NiMH rechargeable batteries, AC adaptor/charger, newly designed carrying pouch, and new rubberized neoprene portable presentation and storage case included
- Alkaline batteries may be used in place of the NiMH rechargeable batteries if needed
- Designed in the USA

Stock #	Description
DI751	Ultratester II

GemOro Pro-D II Diamond/CZ Tester

- Unprecedented lifetime limited warranty
- State-of-the-art ULTRA digital electronics
- Bright white LED stone illuminator light
- Fast warm-up time
- Durable and protective spring-loaded retractable ULTRA probe tip with cap
- Glowing probe tip cone indicator: DIAMOND = GREEN and METAL WARNING= RED
- Ergonomic shape with angled probe tip
- May be used with GemOro UltraDock® battery charging stand accessory, DI752
- Exclusive metal warning beep tone indicator
- LED bar graph/beep tone provides audible and visual diamond (or moissanite) indication
- Battery saving auto sleep-mode function
- NiMH rechargeable batteries, AC adaptor/charger, newly designed carrying pouch, and new rubberized neoprene portable presentation and storage case included
- Alkaline batteries may be used in place of the NiMH rechargeable batteries if needed.
- Designed in the USA

Stock #	Description
DI757	Gemoro Pro-D II Diamond Tester

UltraDock Charging Stand

Sleek, low profile battery-charging stand conveinently desgined for recharging the NiMH batteries used the GemOro UltraTester II and PRO-D II.

Stock #	Description
DI752	Charging Dock

Analogue 23mm Gauge

Nickel dial analogue gauge. Measures 0-23mm with .01mm accuracy. Made of stainless steel. Chart on back of gauge shows B&S Thickness Conversion Table. Case included.

Stock #	Description
GA194.00	Dial Gauge

Darkfield Diamond View

Identifies fillings and flaws in diamonds. Set includes a distortion free 10X triplet, a mini Maglite and leatherette pouch. Tweezers are sold separately.

Stock #	Description
DI210.00	Diamond View with Maglite
LM201.00	Maglite Only

Millimeter "Pearl" Gauge

Compact gauge for measuring pearls and stones. Zeroes out automatically to assure a gentle force. Smooth action assures accuracy. The dial features "zero adjust." Accurate to 0.1mm.

Stock #	Opening
GA146.10	10mm Max.
GA146.20	20mm Max.

Presidium 23mm Gauge

Diamond and weight-estimating dial gauge features a color-coded dial face and carat weights printed on the dial. Measures from 0-23mm with 0.1 accuracy. Ring scale on dial. Case and gemstone weight-estimator book are included.

Stock #	Description
GA609	Presidium Gauge

Compact Digital Gauge

Compact digital gauge measures from 0-25mm with an accuracy of .001mm. Measures inside, outside and depth. Numbers flash when battery is low. Case included.

Stock #	Description
GA192.00	Digital Gauge

Gem Estimator Gauge

Perfect for determining the size of loose or mounted stones when other methods are unavailable. Use to estimate emerald, marquis, pear, round, baguette and brilliant cuts.

Stock #	Description
GA131.00	Gem Estimator

Digital 20mm Gauge

Three-button gauge measures down to three decimal places in millimeters or inches. Made of stainless steel with a non-glare, high impact, black nylon case. Includes protective case.

Stock #	Description
GA196.20	Dial Gauge

Jo-Di Gauge

Caliper gauge helps estimate the weight of all popular shapes of diamonds without removing them from the mounting. Made of anodized aluminum with clear numbers, includes conversion book.

Stock #	Description
GA240	Jo-Di Gauge
BK1248	Book of Tables

Diamond Washing Cup

Wash precious gems safely inside perforated cup dipped into alcohol. Jar measures 2 1/2" x 2 1/4".

Stock #	Description
DI566	Washing Cup

Stone Gauges

CZ Master Set - One Carat Diamond Color Grader

This new certified and registered master set gives an individual stone a GIA Gem Colorimeter ID number. It features a display of color-grading approved white Acrylite for use under microscope, tiffany display-ring stone holders, convenient locking carrying case and lifetime limited warranty for color fading.

Stock #	Description	Sizes	Color
DI1945	5-Stone Set	6.5mm	(E, G, I, K, M)
DI1946	5-Stone Set	6.5mm	(F, H, J, L, N)
DI1950	10-Stone Set	6.5mm	(E - N)
DI1930	10-Stone Set	5mm	(E - N)

Fan Gauge

Versatile stainless steel seven-blade pocket gauge will measure brilliant cut, marquis, pear, square, emerald and oval cut stones, all in karat weight. Measures 3 1/2" closed.

Stock #	Description
GA140.00	7-Blade Fan Gauge

Diamond/Stone Gauge

Handy aluminum stone gauge measures stones and settings from .03 to 4 carats with red numerals for easy identification. Pocket size of 3 5/8" x 2 3/4" with birthstone chart on the back.

Stock #	Description
GA172A	Stone Gauge/Chart

Gem Estimator Gauge

This economical diamond weight estimator is perfect for determining the size of loose or mounted stones when other methods are unavailable. Place the stone in question on the appropriate outline to determine the approximate weight of your stone. Use to estimate emerald, marquis, pear, round, baguette and brilliant cuts.

Stock #	Description
GA131.00	Gem Estimator

Diamond Sieves

High-quality sieves are made for sorting rough or polished stones and come with 22 or 42 plates. Both sets measure 000 to 20, the 42-plate set adds half-sizes. Each set comes in its own zippered leather pouch.

Stock #	Size	Description
DI560	50mm	22-Plate Sieve Set
DI561	70mm	42-Plate Sieve Set

Baker Diamond/Stone Gauge

This versatile mounting and stone gauge has holes for measuring stones, and extensions for gauging mountings. Marked with carat sizes on one side and millimeters on the other. Approximately 4" in diameter.

Stock #	Description
GA171	Baker Stone Gauge

Diamond Pocket Gauge

Indispensable gauge helps to size gemstones quickly and accurately. Sizes range from 1 pt. to 2.1 ct., plus baguettes. 1 3/8" diameter aluminum disks fold together when not in use.

Stock #	Description
GA208	Stone Pocket Gauge

Stone Holders

Stone holders are spring-loaded with contracting wire jaws for examining gem stones or other small items. Available in mini or pocket size.

Stock #	Description
HO469	Stone Holder, 3-Prong Jaws, 5″
HO477	Stone Holder, 3-Prong Jaws, 2¼″
HO654.00	Stone Holder, 4-Prong Jaws, 5″
HO661.00	Stone Holder, 4-Prong Jaws, 2¼″

Easy Loop Gem Holder

This holder provides the best way to hold a stone to prevent scratches yet offer the most visibility. Wire loops hold the stone gently by the girdle. Total length 4½".

Stock #	Description
HO663.00	Easy Loop Gem Holder

Medium Points Tweezers

Stainless steel diamond tweezers. 6½" long. Italian.

Stock #	Description
TW171.74	Stainless Steel Tweezers

See our full selection in the Tweezer section.

Medium Locking Tweezers

Stainless steel locking diamond tweezers. 6½" long. Italian.

Stock #	Description
TW171.76	Stainless Steel Locking Tweezers

Diamond Seller - Brilliant Cuts

Handy aid for showing the size of brilliant cut diamonds. Ten separate sizes are shown with a cubic zirconia and each one has the size and carat weight stamped on the arm. Sizes are 0.10 to 2 carats. Folded length is 4¼".

Stock #	Description
DI765	Round Stone Seller

Fancy Diamond Seller

Silver-toned tool is ideal for showing different shaped stones. The Fancy Diamond Seller has seven shapes including: emerald, oval, pear, square, round, marquise and baguette. Folded length is 4¼".

Stock #	Description
DI766	Fancy Stone Seller

Display Rings

Display rings provide the best way to show loose stones. Press to open and insert a stone to hold it more securely than tweezers. Available in silver or gold-tone with regular or long prongs.

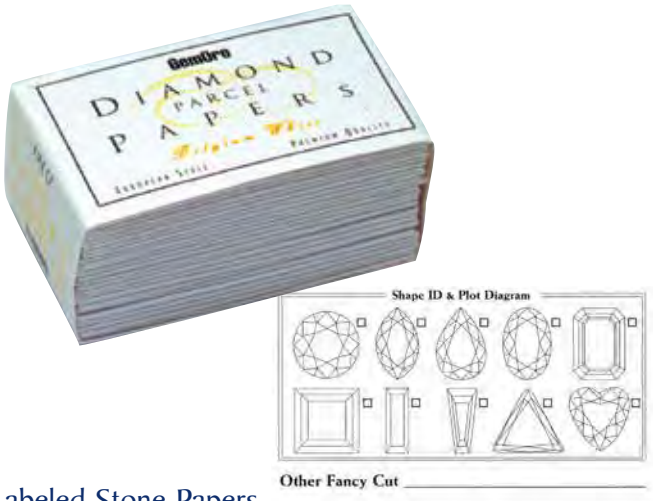
Stock #	Description
DS200.02	Gold, Regular Prongs
DS200.03	Silver, Regular Prongs
DS210.02	Gold, Long Prongs
DS210.03	Silver, Long Prongs

Diamond Papers & Wallets

Antwerp-Style Diamond Papers

Use quality Antwerp-style diamond papers to protect and show precious stones. Papers are white with two flutes. Dimensions when folded are 3" x 1⅝" to protect stones and keep them in order. Watermarked and embossed papers are available in the following color combinations. Sold in packs of 25.

Stock #	Inside/Outside	Pattern
DI301.01	White/White	Watermarked
DI301.02	Blue/White	Watermarked
DI301.04	Blue/Blue	Watermarked
DI301.05	Blue/White	Embossed Lines



Labeled Stone Papers

Quickly label the stone shape inside the diamond paper by using the printed chart on the outside. Papers are lined white with two flutes. These measure 2⅞" x 1⅝" folded and fit nicely into stone paper wallets. Sold in packs of 25.

Stock #	Use	Outside/Inside
DI581	Diamonds	White/White
DI582	Diamonds	White/ Blue

Vigor® Parcel Papers

Quality papers protect and display stones at their best. Unfolded size is 7" x 5¾" and folded is 2⅞" x 1⅝". Made of white outer paper with two inside flutes. Sold in packs of 25.

Stock#	Use	Outside/Inside
DI570	Diamonds	White/ Blue
DI575	Diamonds	White/White
DI580	Colored Stone	White/Yellow

Diamond Paper Wallets

Fine kidskin wallets are perfect to carry and store stones in papers. Velvet-lined with a zipper closure for maximum security.

Stock #	Size
DI415.00	6″ x 3½″ x 1¼″
DI416.00	6″ x 3½ x ¾″

Leather Parcel Box

Attractive leather box is an eye-appealing way to store stones for in-store display or storage in a safe. Inside measures 3½" x 6½".

Stock #	Description
DI130	Leather Box

Diamond Paperweight

Perfect for holding stone papers while sorting or packing. This folding diamond paperweight opens to 5½" x 6" and folds to a compact 4¾" x ¼".

Stock #	Description
DI133.00	Paperweight

Gem Paper Trays

Ultra-white paper trays come flat and are scored for easy folding. True white color and high quality make them perfect for sorting and grading diamonds or other gemstones. Sold in packs of 25.

Stock #	Description	Size
DI308	Small Paper Trays	2¾″
DI309	Large Paper Trays	5″

Sorting Trays

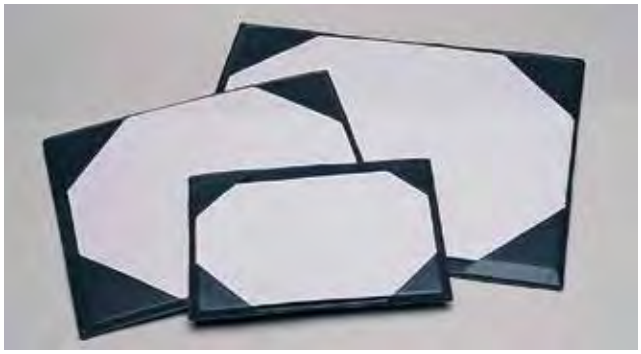
Use these handy trays for sorting diamonds, pearls or gemstones. All trays feature indentations, grooves and a pour spout to make sorting easy and quick.

Stock #	Description	Size
DI120.01	Small Black Tray	4½″ x 2½″
DI120.02	Small White Tray	4½″ x 2½″
DI220.01	Large Black Tray	7⅛″ x 3¾″
DI220.02	Large White Tray	7⅛″ x 3¾″

Diamond and Stone Shovels

Chrome-plated shovels are excellent for scooping up diamonds, pearls and other stones.

Stock #	Description	Size
DI252.00	Shovel with Loop Handle	1½″ x 2¼″
DI253.00	Square Shovel	2⅛″ x 3⅛″



Sorting Pads

Removable paper in sorting pads allow user to label items being sorted. Each pad includes 12 thick sheets held securely by the corners.

Stock #	Description	Size
DI320.00	Small	5½″ x 7½″
DI322.00	Medium	8″ x 10″
DI324.00	Large	10″ x 12″

Appraisal Certificates and Envelopes

Appraisal forms are three-part NCR paper that contain standard appraisal language. These professional-looking forms in green and black ink can be typed, handwritten or run through a computer impact printer. Forms are accordion folded with tear-away tractor feed holes. 50/box.

Stock #	Description
DI900	Appraisal Certificates
DI901	Envelopes for Certificates

News You Can Use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

Dividers

Starrett® Dividers

These round-leg dividers are of high-quality construction and finishing. Solid nut. Made in the USA.

Stock #	Description
DI35.084	3¼″ Opening, 3″ Legs

Economy Dividers

Quality economy dividers are easy-to-use with a quick-adjust setting.

Stock #	Description
DI300.99	3″ Dividers

Pro-viders with Replaceable Tips

This excellent divider with replaceable tips made of extra hard tool steel allows you to always have sharp tips for exacting precision. Heavy-duty spring and adjustment nut. Made in Germany.

Stock #	Description
DI523	3″ Dividers with Replaceable Tips
DI524	6″ Dividers with Replaceable Tips
DI523/1	Tips Per Pair

Economy Dividers

Use to measure distances between points and to scribe circles and arcs.

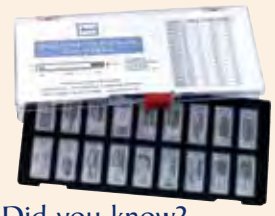
Stock #	Description
DI525	4″ Dividers
DI526	6″ Dividers

Did you know?

In addition to tools, we carry findings, jewelry basics, and a comprehensive selection of watch repair parts and supplies.

Did you know?

Most orders are shipped the same day we receive them.



Did you know?

We provide customized jewelry and watch making kits to many schools and universities.

Did you know?

We can help you equip a new shop or upgrade your current one with the best value in tools and supplies.

Did you know?

We are just about the friendliest, most helpful people you will find!

DOM-10

DOM-10T

DOM-11

DOM-11T

DOM-12T

DOM-13T

DOM-20T

DOM-21T

DOM-22T

Watch Display Domes

Present and protect watches or other precious mementos in these imported display domes with a choice of bases and top hook or base wire.

Base Wire

Stock #	Size	Base
DOM-10	3″x4″	Solid Oak
DOM-11	3″x4″	Walnut Veneer
DOM-20	4″x7″	Solid Oak
DOM-21	4″x7″	Walnut Veneer

Top Hook

Stock #	Size	Base
DOM-10T	3″x4″	Solid Oak
DOM-11T	3″x4″	Walnut Veneer
DOM-12T	3″x4″	Brass Finish
DOM-13T	3″x4″	Pewter Finish
DOM-20T	4″x7″	Solid Oak
DOM-21T	4″x7″	Walnut Veneer
DOM-22T	4″x7″	Brass Finish
DOM-23T	4″x7″	Pewter Finish

Busch® Tungsten Vanadium Steel Drills

Tungsten vanadium drills with a 3/32" shank. Set of 12 includes numbers 006, 007, 008, 009, 010, 012, 013, 015, 016, 018, 021, and 023. Also available individually.

Stock #	Description
DR1077/36	Set of 12

Stock#	Size
DR1077/005	0.50mm
DR1077/006	0.60mm
DR1077/007	0.70mm
DR1077/008	0.80mm
DR1077/009	0.90mm
DR1077/010	1.00mm
DR1077/011	1.10mm
DR1077/012	1.20mm
DR1077/013	1.30mm
DR1077/014	1.40mm
DR1077/015	1.50mm
DR1077/017	1.70mm
DR1077/018	1.80mm
DR1077/019	1.90mm
DR1077/020	2.00mm
DR1077/021	2.10mm
DR1077/022	2.20mm
DR1077/023	2.30mm

Cut Lube™

High tech bur, drill and sawblade lubricant reduces friction and heat build-up. Just dip the tool regularly as you work, and Cut-Lube will extend the life of the tool as well as increase its productivity.

Stock #	Description
BR1410	Cut Lube

USA Made

HSS Small Twist Drills

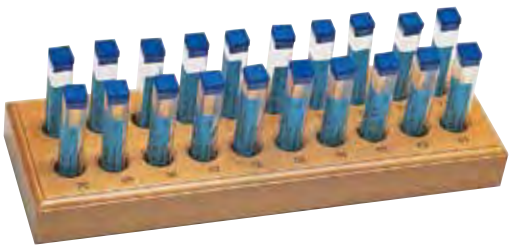
High quality high speed steel drills have straight shanks and are accurately ground, then carefully tempered. Set includes sizes 61 to 80 (.34 to lmm) and is packaged in a convenient case with slide cover that allows access to only the size you need.

Stock #	Description
DR227	20-Piece Drill Set

HSS Twist Drills Set of 36

Contains sizes 33 to 80 twist drills in wood stand with cardboard cover. High speed steel, sized .34mm to 2.87mm.

Stock #	Description
DR28.504	36-Piece Drill Set



200 Piece HSS Euro Twist Drill Set in Wood Stand

European-made HSS twist drills are now available in this handy organizer. Set includes ten each, sizes 61 to 80 (.34 to 1.0mm) in convenient tubes and a hardwood stand marked with the appropriate size. Refills on next page.

Stock #	Description
DR200.00	Assortment with 200-Pieces, 20 Sizes

High Speed Twist Drills

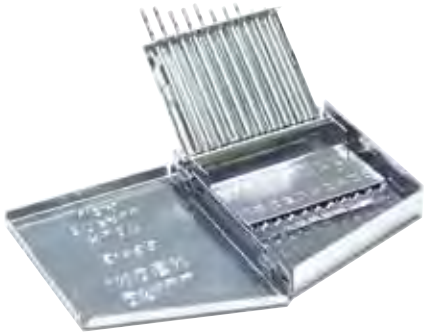
Very high-quality steel is carefully tempered and accurately ground to size. Perfectly finished to assure quick, smooth and clean drilling.

Stock #	Inch	Size
DR535/30	.1285	3.264
DR535/31	.1200	3.048
DR535/32	.1160	2.946
DR535/33	.1130	2.870
DR535/34	.1110	2.819
DR535/35	.1100	2.794
DR535/36	.1065	2.705
DR535/37	.1040	2.642
DR535/38	.1015	2.578
DR535/39	.0995	2.528
DR535/40	.0980	2.489
DR535/41	.0960	2.438
DR535/42	.0935	2.378
DR535/43	.0890	2.261
DR535/44	.0860	2.184
DR535/45	.0820	2.083
DR535/46	.0810	2.057
DR535/47	.0785	1.994
DR535/48	.0760	1.930
DR535/49	.0730	1.854
DR535/50	.0700	1.778
DR535/51	.0670	1.702
DR535/52	.0635	1.613
DR535/53	.0595	1.512
DR535/54	.0550	1.397
DR535/55	.0520	1.321
DR535/56	.0465	1.181
DR535/57	.0430	1.092
DR535/58	.0420	1.067
DR535/59	.0410	1.041
DR535/60	.0400	1.016
DR535/61	.0390	0.990
DR535/62	.0380	0.965
DR535/63	.0370	0.940
DR535/64	.0360	0.914
DR535/65	.0350	0.889
DR535/66	.0330	0.838
DR535/67	.0320	0.813
DR535/68	.0310	0.787
DR535/69	.0292	0.743
DR535/70	.0280	0.712
DR535/71	.0260	0.660
DR535/72	.0250	0.635
DR535/73	.0240	0.610
DR535/74	.0225	0.572
DR535/75	.0210	0.533
DR535/76	.0200	0.508
DR535/77	.0180	0.457
DR535/78	.0160	0.406
DR535/79	.0145	0.369
DR535/80	.0135	0.343

High-Speed Small Twist Drill Set

Set locates each drill separately for ease of selection and comes with a domed cover for storage. Twenty-piece set has one each of sizes 61-80 (.34 to 1mm).

Stock #	Description
DR540	20-Piece Drill Set



Economy Small Twist Drill Set

Made of high-speed steel for fine jobs with drills organized in a metal index box. Includes 20 drills sizes 61 to 80 (.34 to 1mm).

Stock#	Description
DR240.00	20-Piece Drill Set

High Speed Twist Drill Assortments

Set of 6 drills in tube containing sizes 55, 56, 59, 60, 64, 67. Excellent for sample jewelry making and general workshop use. Made in the USA.

Stock #	Description
DR545	Set of 6 Drills in Tube

Center Punch

Use with a hammer to make a starting point for drilling. Made of steel with knurled handle for firm gripping surface, this slim-designed punch can also be used as a scriber.

Stock#	Description
PN47.900	Center Punch

Automatic Punch

Push down on the slim body to release a striking mechanism. Adjustable for light or heavy strokes, the removable centering point can be interchanged with a cup-shaped point for riveting. Pocket clip included.

Stock#	Description
PN47.860	Tool with Centering Point Only
PN47.866	Replacement Centering Point

Pin Punches

Hardened steel punches with flat tips from .51mm-1.3mm are used to drive out watchband pins, broken screws and rivets. Use adjustable pin vise to prevent damage from hammering. 41mm long with 2.35mm shank. Set of 20, two each of ten different size punches.

Stock#	Description
PN47.890	Set of 20 Pin Punches with Holder

Premium Gold Cobalt Twist Drills for Platinum or Stainless Steel

Cobalt steel drills are designed with very hard steel for durability and high speed drilling. These drills will last 30 times longer than standard drills. Will drill through stainless steel, silicon-chrome and chrome-nickel. Ideal for platinum.

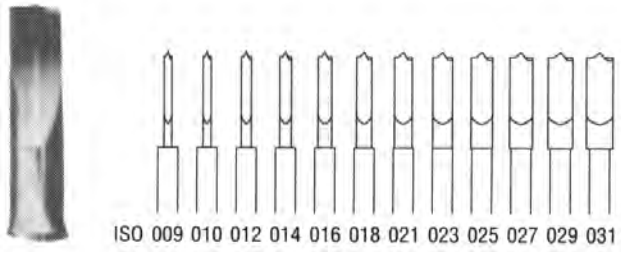
Stock#	Drill Size	Size/in	Size/mm
DR28.950	50	.0700″	1.78
DR28.951	51	.0670″	1.70
DR28.952	52	.0635″	1.61
DR28.953	53	.0595″	1.51
DR28.954	54	.0550″	1.40
DR28.955	55	.0520″	1.32
DR28.956	56	.0465″	1.18
DR28.957	57	.0430″	1.09
DR28.958	58	.0420″	1.07
DR28.959	59	.0410″	1.04
DR28.960	60	.0400″	1.02
DR28.961	61	.0390″	.99
DR28.962	62	.0380″	.97
DR28.963	63	.0370″	.94
DR28.964	64	.0360″	.91
DR28.965	65	.0350″	.89
DR28.966	66	.0330″	.84
DR28.967	67	.0320″	.81
DR28.968	68	.0310″	.79
DR28.969	69	.0292″	.74
DR28.970	70	.0280″	.71

It is highly recommended that you use water or a coolant such as Cut-Lube when working with high speed drills.

36-Hole Drill Stand

Five-inch drill stand is marked with numbers for easy size identification of small twist drill sizes 33-80. Drill bits not included.

Stock#	Description
DR936.00	Labeled Drill Stand



Busch Pearl Drills

For drilling holes in pearls and other round or half-round stones. Set of 12 has the most popular sizes: 009, 010, 012, 014, 016, 018, 021, 023, 025, 027, 029, 031, or purchase individually.

Stock#	Description
DR1277A	Set of 12 Pearl Drills

Stock#	Size
DR1277A/009	.9mm
DR1277A/010	1.0mm
DR1277A/012	1.2mm
DR1277A/014	1.4mm
DR1277A/016	1.6mm
DR1277A/018	1.8mm

Stock#	Size
DR1277A/021	2.1
DR1277A/023	2.3
DR1277A/025	2.5
DR1277A/027	2.7
DR1277A/029	2.9
DR1277A/031	3.1

Carbon Steel Pivot Drills

For pivoting and small, accurate drilling. Treated steel assures clean, rapid drilling. Centered and accurately sized for long, satisfactory service. Includes wooden storage organizer.

Stock#	Description
DR526	Sizes .004″-.026″ 12 Sizes, Even Numbers
DR528	Sizes .028″-.050″ 12 Sizes, Even Numbers
DR530	Three Each Sizes .004, .006, .008, .010″

Drill Adapter Chucks

Adapt small drill bits or any small shank to the handpiece that uses a standard 3/32" collet.

Stock#	Capacity	Collets
MD759	0-1.15mm	1
MD760	0-2.50mm	2

Pearl Drilling Vise

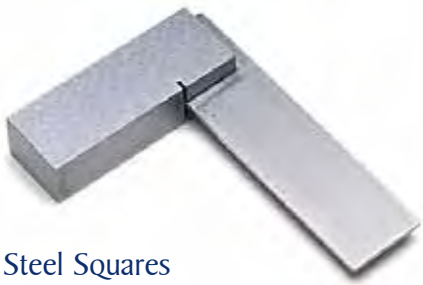
Holds all popular size pearls securely in position for drilling. Knurled locknuts provide quick clamping and releasing action.

Stock#	Description
DR660	Vise

Spiral Drill

Hand drill with push-handle to rotate the drill. Capacity 1.6mm, drill size up to size 53. About 7 3/4" long. Drill not included.

Stock#	Description
HO505	Spiral Drill



Steel Squares

Milled to perfection at an exact 90° angle for perfect corners, centering stones and a wide variety of other uses.

Stock#	Length
GA188.02	2″

Diamond Drills

Diamond Core Drills

Core drills cut holes in ceramic, tile and glass without chipping or cracking. Diamond-coated drills have a 1/8" shank, medium-fine grit and are made of stainless steel with electroplated diamond particles. Six-piece set packaged in reusable pouch.

Stock#	Description
DB500.00	Diamond Core Drill Set

Stock#	Diameter
DB501.50	1.50mm
DB502.00	2.00mm
DB502.50	2.50mm
DB503.00	3.00mm
DB504.00	4.00mm
DB505.00	5.00mm
DB506.50	6.50mm
DB509.50	9.50mm
DB510.00	10.00mm
DB511.00	11.00mm

Diamond-Coated Uniform Shank Drills

Swiss-made 3/32" shank twist drills with electroplated diamond particles are the ultimate for drilling stones, pearls, glass or ceramics. Use with standard handpieces and drill in water for lubrication. All drills are medium-fine grit.

Stock#	Description
DB210.00	Diamond Coated Shank Drill, Set of 6

Stock#	Diameter
DB210.70	1.00mm
DB210.90	1.30mm
DB211.00	1.40mm
DB211.20	1.60mm
DB211.40	1.80mm
DB211.60	2.10mm

Diamond "Stick" Drills

Perfect for drilling ceramic and stones, drills have diamond particles electroplated onto their hardened surface. Set of six includes sizes 0.75, 1.00, 1.25, 1.50, 2.00 and 2.50mm. Ideally used at speeds between 5,000 and 20,000 RPM. Also available individually.

Stock#	Description
DB550.00	Diamond Stick Drill, Set of 6

Stock#	Description
DB550.75	0.75mm
DB551.00	1.00mm
DB551.25	1.25mm
DB551.50	1.50mm
DB552.00	2.00mm
DB552.50	2.50mm

Diamond Coated Twist Drills

Medium-fine grit diamond coating is added to the tips of high-speed twist drills to drill stone, ceramic, glass and other hard non-metallic materials. Made of superior high-grade steel and available individually or in a set of twelve. Drill size indicated is before coating.

Stock #	Description
DB227.00	Set of 12 Diamond Drills, #36-65

Stock #	Description	in	mm
DB227.36	#36 Diamond Drill	.1065	2.705
DB227.40	#40 Diamond Drill	.0982	2.489
DB227.45	#45 Diamond Drill	.0820	2.083
DB227.47	#47 Diamond Drill	.0785	1.994
DB227.50	#50 Diamond Drill	.0700	1.778
DB227.51	#51 Diamond Drill	.0670	1.702
DB227.52	#52 Diamond Drill	.0635	1.613
DB227.53	#53 Diamond Drill	.0595	1.512
DB227.54	#54 Diamond Drill	.0550	1.397
DB227.56	#56 Diamond Drill	.0456	1.181
DB227.61	#61 Diamond Drill	.0390	0.990
DB227.65	#65 Diamond Drill	.0350	0.889

Foredom® Flexshaft Drill Presses

Convert any Foredom flexible shaft machine using Foredom handpiece numbers FDM-30, FLX-30, or FLX440 into a precision drilling and wax modeling tool.

Drill Press DP39

Use the adjustable head and dial indicator to set drilling or cutting depth by 1/100 mm increments. The work holding table moves up and down on a post or can be swung away for drilling larger pieces.

Stock#	Description
FDM-DP39	Drill Press

Drill Press and Vise are sold separately.

Optional Dial Indicator Kit

Drill Press DP30

This rugged and precise all metal stand is fully adjustable, has a 2" throat capacity and a stroke length up to 1 1/2". Add a dial indicator kit for finer measuring.

Stock#	Description
FDM-DP30	Drill Press
FDM-DK9	Dial Indicator Kit

Foredom handpieces are sold separately.

Bench Top Drill Press

Small, compact drill press. Measures 7" width x 9 1/2" depth x 12" height. Holds drills up to 1/4". Three speeds: 5000, 6000, and 8500 RPM. RPM is variable with speed control knob. One year warranty.

Stock #	Description
DR300.00	Drill Press

Drill Press Vise

Economical, aluminum drill press vise. Vise has slots for optional attachment to drill press base. Quick release permits rapid opening and closing of jaws. Jaws 65mm wide, 27mm height, jaw opening 70mm. Overall dimensions 9 1/2" x 4 1/2"

Stock #	Description
VS265.00	Drill Vise

Mini-Vise for Drilling

Zinc mini-vise firmly grasps small workpieces for precision drilling. Horizontal and vertical "V" grooves hold round stock. Jaw measurements: width 3/16", capacity 1 1/2", height 1/2".

Stock#	Description
FDM-37200	Mini-Vise

Slick Lube

Slick Lube is a 100% synthetic polymer coolant plus wetting agent, lubricant and rust inhibitor. Excellent for drilling with diamond bits. Contains no nitrosamines, phenols, nitrates, sulphur, chlorine phosphates or oil. Includes skin conditioners to control dermatitis. Mix one part Slick Lube and ten parts water.

Stock#	Description
OL412.08	½ Pint Slick Lube
OL412.16	1 Pint Slick Lube
OL412.32	1 Quart Slick Lube

Watch Dryers

Elma Dryer

Dry watch parts and other items with both hot and cool settings. Screen size: 7 x 6". On and off switch. Heats up to 70° C and cools to room temperature.

Stock #	Description
VIB-EH1	Dryer

Roxer Revelator 1

Enables a condensation test to be carried out on watches with thick crystals up to 5mm. Heats to 50° C (122° F) and cools to 10° C (50°F) to ensure accurate testing. Use with the Natator 125 to complete the condensation test.

Stock #	Description
VIB-Revelator-R1	Swiss Dryer

Watch Hotplate

Maintains consistent, repeatable temperature settings. Temperatures adjustable in 5°C increments.

- Loosen glued crystals in a few minutes
- Heat solution to dissolve out steel screws
- Heat escapement testers

Stock #	Description
TS-HOTPLATE	Watch Hotplate

L&R Dryer

Compact, safe, efficient, reliable drying unit is ideal for counter or bench work. Durable vinyl finish is easy to keep clean. Screen size: 6 1/4 x 5 3/4". Uses on and off switch. Made in the USA.

Stock #	Description
LR-415	Dryer
LR-30136	Heating Element
LR-30326	On-Off Switch

Preciso 47 Heating Plate

Heat watches to 117° F (47°C) to detect moisture inside the case after testing at 125 BAR. It is also perfect for drying metal watchbands and cases. Made in the USA.

Stock #	Description
TS-PRECISO47	Heating Plate

The Preciso is factory calibrated to 117° (47° C). It is easy to adjust by inserting a 2mm watchmaker's screwdriver in the calibartion hole on the front right hand side of the unit, and rotating the trimpot.

Bergeon Electric Heater & Pallet Warmer

Electric heater with adjustable or fixed temperature control for escapement fitting is used for heating orange flake shellac to adjust or fit pallet jewels. Also be used for adjusting lifts, preparing gaskets for fitting of mineral crystals and drying.

Stock #	Description
BG2229-03	Escapement Tester
BG30460/VAR110	Variable Temperature - 0-160°C
BG30460	Fixed Temperature - 80-90°C

Best Built Computerized Engravers

Best Built engravers feature the latest computerized technology for inside ring and flat engravers. The engravers use an intuitive Windows-based software system. Automatically access any font on your computer and import custom designs and logos with ease. Variable depth feature allows engraving on uneven surfaces. Laser guide makes it easy to center work and view the engraveable area before you begin.

Inside Ring & Flat Combination Engraver

- Engraves both flat and curved surfaces, plus inside and outside of rings
- Create multiple lines of engraving inside the ring
- Diamond tip is easily replaced, with optional angle tips available
- Flat engraving area 4” x 4½”
- Dimensions 15” x 12” x 10”
- 65 pounds

Stock #	Description
EN58.001	Combination Engraver

Inside Ring Engraver

- Engraves curved surfaces inside and outside of rings
- Create multiple lines of engraving inside the ring
- The outside engraving mode features a laser guide for centering and alignment
- Engraving styles include single line, double lines, plus hatching engraving which is not possible on a manual engraver
- Dimensions 10” x 11” x 9”
- 48 pounds

Stock #	Description
EN58.004	Inside Ring Engraver

Flat Engraver

- Engrave lighters, watches, ID bracelets and more
- Diamond tip is easily changed
- Flat engraving area is 4” x 4½” inches
- Circular text capability for watches
- Dimensions 10” x 13” x 9”
- 48 pounds

Stock #	Description
EN58.002	Flat Engraver

Engraving Accessories

Jett Sett Fixturing Compound

Softened thermoplastic material in 160° hot water to soften, shape and set in cool water or at air temperature. Use to create forming to hold work for stone setting, engraving, or to make custom handle grips for tools. Can be reused.

Stock#	Description
JET100.00	Jett Sett, 1 lb.

12" x 12" Engraving Plate

Stock #	Metal
845-300	Aluminum
846-300	Bright Brass
846-300B	Black on Brass
846-300S	Satin Brass

Sand Bag

Loosely filled with sand, this sturdy canvas bag conforms to the shape of the item being engraved, formed or stamped. Shipping weight 6 pounds, 8 ounces. $10^{1}/_{2}$" x $6^{1}/_{2}$" x $2^{1}/_{2}$".

Stock #	Description
EN25.480	Sand Bag

Hot Pot Express

Adjustable temperature and non-stick surface makes this hot pot ideal for softening Jett Sett fixturing compound. 32 ounce capacity, removable lid.

Stock#	Description
JET582.00	Jett Sett Hot Pot

Orange Flake Shellac

Melts easily. Holds small items like bracelets, pins and earrings while being engraved, chased, set or finished. Excellent for holding stones on dop stick or use to cement jewels to pallet forks.

Stock #	Description
CE409	Shellac Can, 6 oz.
CE409/1	Shellac Bag, 1 oz.

Burgess Vibro-Graver

Mark on many surfaces with carbide point. 7200 uniform strokes/minute.

Stock #	Description
GR225	Complete Set
GR226	Diamond Point
GR228	Carbide Point

Chinese White

White "chalk-like" substance for drawing or tracing design on the surface to be engraved.

Stock #	Description
EN737	Chinese White

Diamond Setter's Cement

Melt cement and use to attach precious gems to a wooden dowel for polishing. 4" x 4" x $^{5}/_{16}$".

Stock #	Description
CE12.208	Setter's Cement

Opaque Stick Shellac

Widely used for setting stones and temporarily holding objects. Heat to apply.

Stock #	Description
CE407	7" Long

EN26.100

Beeswax

When rubbed on surface, leaves a film on which a design can be marked. Use also as a lubricant.

Stock #	Description
EN100.00	Natural .5 oz. Tube
EN26.100	Synthetic 1 oz. Tube
EN26.103	Synthetic 1 lb. Block

Power Hone Sharpening Fixtures

Quick Change Sharpening Fixture

Two degree dials and detent system that increases speed.

Stock #	Description
GRS003-580	Sharpening Fixture

Dual Angle Graver Fixture

Holds a wider variety of tools and adjusts to elevation and rotation angles.

Stock #	Description
GRS003-570	Dual Angle Fixture

Standard Graver Fixture

Allows you to set the angle of cut in degrees.

Stock #	Description
GRS003-100	Standard Graver Fixture

GRS001-525

Complete GRS® Power Hone Sharpening System

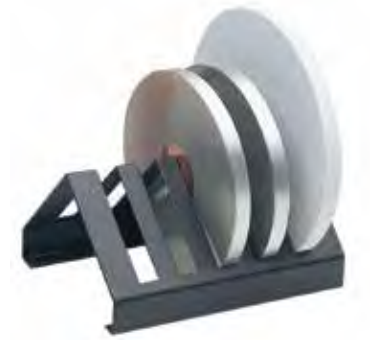
The Diamond Power Hone sharpening system has a fast wheel change system, 260 and 600 diamond wheels, ceramic lap with diamond spray, wheel rack and standard sharpening fixture.

Stock #	Description
GRS003-510	Complete Power Hone Sharpening System

GRS® Diamond Power Hone

Multi-purpose precision grinder sharpens gravers and tools quickly without heat. This unit doubles as an excellent crystal grinding machine. Great for finishing the edges of hand made glass patterns. Includes medium (600 grit) diamond wheel. For crystal grinding, turn the power hone in its side and order the TR160/2, as shown above.

Stock #	Description
GRS001-525	Power Hone Without Tray
TR160/2	Green Plastic Splash Tray



Ceramic Lap

Use to polish to a mirror finish. Lap needs periodic "charging" with the diamond spray below.

Stock #	Description
GRS002-415	6″ Ceramic Lap

Power Hone Accessories

Stock #	Description
GRS001-694	Wheel Storage Rack
GRS002-138	260 Grit 5″ Wheel
GRS002-055	600 Grit 5″ Wheel
GRS002-139	1200 Grit 5″ Wheel
GRS002-537	6″ Aluminum Wheel

Ceramic Diamond Spray

Spray onto ceramic lap to add diamond abrasives for sharpening.

Stock #	Description
GRS002-753	½ Micron Spray
GRS002-754	1 Micron Spray
GRS002-755	3 Micron Spray

Crystal Catalog

Full-color catalog includes crystals, tools, and reference information. Order CAT-CRY.

If you have the catalog, check that you have the 2012 update, too. If not, order CAT-CRSUP-12.

Swiss Yellow Tang High Speed & Carbon Steel Gravers

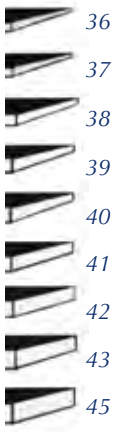
High quality gravers are suitable for use with all types of metals, wood, bone, and onyx. If the gravers are stamped with both the graver number and the Swiss number, both numbers are noted in the charts.

High Speed & Carbon Onglette-Point

Use to raise beads for stone setting, fine lines and curved lines.

No.	mm	HSSteel	Carbon
00	1.45	GR36.265	GR36.116
0	1.58	GR36.267	GR36.117
1	1.78	GR36.269	GR36.118
2	1.94	GR36.270	GR36.119
3	2.16	GR36.271	GR36.120
4	2.54	GR36.272	GR36.121
5	2.74	GR36.273	GR36.122
6	2.94	GR36.274	GR36.123

The smaller the number, the thinner the graver point width.



High Speed & Carbon Flat

For cutting a groove with a flat bottom or for block lettering.

No.	mm	HSSteel	Carbon
36	.2	GR36.277	GR36.136
37	.4	GR36.278	GR36.137
38	.6	GR36.279	GR36.138
39	1.0	GR36.280	GR36.139
40	1.2	GR36.281	GR36.140
41	1.4	GR36.282	GR36.141
42	1.8	GR36.283	GR36.142
43	2.0	GR36.284	GR36.143
45	2.4	GR36.285	GR36.145

High Speed & Carbon Round

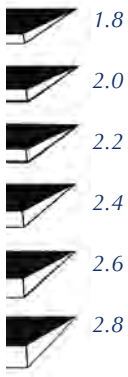
For cutting a groove with a rounded bottom, bead raising and Old English lettering.

No.	mm	HSSteel	Carbon
51	.4	GR36.290	GR36.181
52	.6	GR36.291	GR36.182
53	1.0	GR36.292	GR36.183
54	1.2	GR36.293	GR36.184
55	1.4	GR36.185	
	1.6	GR36.294	
56	1.8	GR36.186	
	2.0	GR36.295	

Bergeon Carbide Widia Gravers

For winding stems, etc. Metal handle. 6mm wide x .5mm thick.

Stock #	Size
BG2931	6 x 5.5mm



High Speed & Carbon Knife Edge

Engrave lines, deep and narrow cuts.

mm	HSSteel	Carbon
1.8	GR36.300	
2.0	GR36.301	
2.2	GR36.302	GR36.151
2.4	GR36.303	
2.6	GR36.304	GR36.152
2.8	GR36.305	GR36.153

Carbon Steel Straight Line Gravers

Use straight gravers for shading, florentine finishing and texturing. When ordering please specify the width times the number of lines which is part of the stock number.

mm	line width	Stock#/width x lines
1.20	.15	GR1500/12X8
1.05	.175	GR1500/14X6
1.40	.175	GR1500/14X8
1.20	.20	GR1500/16X6
1.60	.20	GR1500/16X8
2.00	.20	GR1500/16X10
2.27	.225	GR1500/18X10
2.00	.25	GR1500/20X8
2.50	.25	GR1500/20X10
3.00	.30	GR1500/24X10

GRS® GlenSteel Gravers

GlenSteel is a special high-speed tool steel made for tough engraving and stone setting. Will not break or chip like other steel and is easier to grind and sharpen. .093" square x 2.7" long.

Stock #	Description
GRS002-115	Square GlenSteel
GRS002-116	Flat GlenSteel
GRS002-120	Blank GlenSteel

GRS® Tungsten Carbide Gravers

Much harder but more brittle than other tool steel, these gravers will last up to ten times longer between sharpening when used properly. Sharpen with a diamond wheel. .085" square x 2" long.

Stock #	Description
GRS002-233	Square Carbide
GRS002-232	Blank Carbide

Graver Handles

Select the handle that fits your engraving style and task. Nicely finished hardwood with metal reinforced end.

No.	Style #	Description	Dia. x Length
1	GH37.856	Gourd	1⅝″ x 2½″
2	GH37.857	Half Head	1⅜″ x 2″
3	GH37.858	Half Head	1⅝″ x 1½″
4	GH37.859	Half Head	1⅜″ x 1¾″
5	GH37.860	Half Head	1¼″ x 2¼″
6	GH37.865	Mushroom	1¼″ x 2″
7	GH37.867	Mushroom	1¼″ x 1¾″
8	GH37.868	Mushroom	1¼″ x 2¼″
9	GH37.870	Oval	1⅝″ x 1″
10	GH37.872	Pear	1⅝″ x 1⅞″
11	GH37.874	Round	1⅜″ x 1⅝″
12	GH37.877	Vase	1⅜″ x 3″

Graver Sharpener

The graver is placed in either of two angled openings and rolled over a flat oilstone to sharpen.

Stock #	Description
GS230	2⅛″ x 1⅜″

Set of E.F.B. Gravers

Set of six shapes made from the best tool steel, sharpened and ready for use. Mounted into handles and stored in a hardwood case. Length of each tool is 3⅞”. Made in the USA.

Stock #	Description
GR36.100	Premium Graver Set

Individual E.F.B. Gravers

Stock #	E.F.B. Number
GR36.101	1
GR36.102	3
GR36.103*	38
GR36.104	40
GR36.105	41
GR36.106	121
GR36.107	154

**Not in set*

E.F.B. Graver Handles

Finely finished hardwood handles have a groove and metal sleeve for quick insertion and a firm hold.

Stock #	Description
GH37.850	For Double-ended Gravers
GH37.851	For Single-ended gravers

Swiss Graver Sharpener

Use this shield to sharpen gravers at any angle. The screw top both locks it and serves as a finger rest.

Stock #	Description
BG2462	Swiss Graver Sharpener

Gravers & Scribes

Set of Turning Gravers with Handles

Gravers with wood handles for turning or pivoting items on small lathes. Tool steel with finished ground points.

Stock#	Description
GH36.800	10 Turning Gravers with Handles

Turning Gravers Set

Tool steel gravers with finished ground points. Use with handle GH165 (not shown).

Stock#	Description
GH36.804	6 Turning Gravers
GH165	Wooden Handle with Two Chucks

Tungsten Carbide Graver

Harder and more brittle than other gravers, tungsten carbide gravers last up to ten times longer between sharpening when used properly.

Stock#	Description
GRS002-233	Square Carbide Graver, 2.1 mm Sq. x 2″
PV657	Pin Vise Holder for Carbide Graver

Carbide Scribe

Pen-type scribe with wooden handle and fine, sharp tip.

Stock#	Description
EN436.00	Pen-Style Scriber

Double-ended Steel Tracer

Twisted steel for a firm grip, use either end.

Stock#	Description
EN744	Steel Tracer

Waller Carbide Graver Set

Set contains four graver bits, lap and arbor, diamond compound, Dyna-Lube compound stick and impregnator mounted on a polished hardwood block. Easy to use. Apply a small amount of the diamond compound to the end of the graver to be sharpened.

Stock #	Description
GR201	Graver Set
GR203	Diamond Compound
GR202	Lap and Arbor, Assembled
GR217	Lap Only from GR202
GR213	Dyna-Lube Compound
GR207	Sharpening Set, Includes all except graver bits

Waller Carbide Graver

Special watchmaker's grade of the world's hardest metal. Permits fast continuous cutting of the hardest stems, staffs, pivots, and more without regrinding.

Stock #	Description
GR210	Graver Bit and Handle
GR211	Replacement Tip

Carbide Scriber

Scribe with 1/8" carbide tip held in pen-sized knurled aluminum holder. 5 1/4" long.

Stock#	Description
EN535.00	Carbide Scribe
EN536.00	Carbide Scribe with Magnet

Carbide-Tipped Scriber

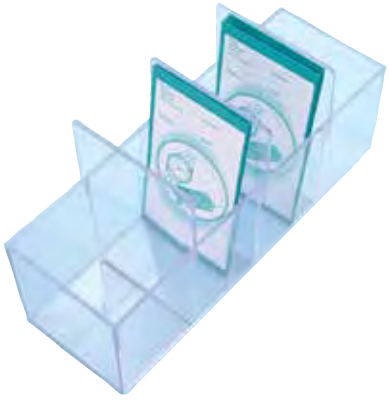
Slim-line design is comfortable to use, hexagonal aluminum handle prevents rolling on bench. 5 1/4" long.

Stock#	Description
EN52.952	Carbide-Tipped Scriber

Plain Job Envelopes

Very handy envelopes with gummed flaps can be rubber stamped with your name and address. Two sizes of white and manila envelopes available. 500 per box.

Stock #	Color	Size
EV148W	White	5½″ x 3⅛″
EV148	Brown	5½″ x 3⅛″
EV130W	White	6″ x 3⅜″
EV130	Brown	6″ x 3⅜″



Acrylic Envelope Holder

Keep your repair and storage envelopes in order and ready for quick identification by using this attractive holder. Made of clear acrylic with three dividers to hold envelopes for easy access. BX200 measures 10⅝" x 3⅜" x 3½" and holds envelope styles EV110, EV148, and EV100.05. At 4½" wide, BX210 holds EV130.

Stock #	Description
BX200	Acrylic Envelope Holder
BX210	Wide Acrylic Holder

Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

Triple Duty Job Envelopes

Each numbered envelope has two numbered detachable stubs; one for the customer, the other for filing. Available in standard kraft paper. Envelope measures 5¾ x 3⅛". May be custom printed at your local printer. 1,000 per box. Numbered envelopes may be assorted for the three box rate price.

Stock #	Series
EV110/1	1 to 1000
EV110/2	1000 to 2000
EV110/3	2001 to 3000
EV110/4	3001 to 4000
EV110/5	4001 to 5000
EV110/6	5001 to 6000
EV110/7	6001 to 7000
EV110/8	7001 to 8000
EV110/9	8001 to 9000
EV110/10	9001 to 10000

Job Envelope Organizer

These sturdy black leatherette-covered storage boxes are a handy and attractive way to hold your repair or parts envelope style numbers EV110, EV130, EV148, and EV100.05.

Stock #	Description	Size
BX148	Organizer	7½″ x 4″ x 4″
BX149	Organizer	14¾″ x 4″ x 4″

Repair Envelopes

Repair Envelopes

These envelopes are printed with an attractive illustration and a place to fill in repair information. Birthstone and anniversary information is on the back. 5½" x 3⅛".

Stock #	Description	Quantity
EV100.05	Generic Repair Envelopes	500

Borel-Lock™ Plastic Bags

Strong, clear "zip-type" reclosable bags in a large variety of sizes are extremely useful for storage and organization. Available clear or with a white block for labeling. 100 bags per pack.

Stock #	Size
EV1.5X1.5	1.5" x 1.5"
EV1.5X2	1.5" x 2"
EV2X2	2" x 2"
EV2X3	2" x 3"
EV3X3	3" x 3"
EV3X4	3" x 4"
EV3X5	3" x 5"
EV4X4	4" x 4"
EV4X6	4" x 6"
EV5X8	5" x 8"
EV6X9	6" x 9"
EV9X12	9" x 12"
EV10X13	10" x 13"
EV12X15	12" x 15"

Zip Bags with write-on white block (WB).

Stock #	Size
EV2X2WB	2" x 2"
EV2X3WB	2" x 3"
EV3X4WB	3" x 4"
EV3X5WB	3" x 5"
EV4X6WB	4" x 6"
EV5X8WB	5" x 8"

Gummed Stock Envelopes

Plain envelopes with gummed flaps. Great for storage or repair jobs.

Stock #	Size	Description	Quantity
EV133	2¼" x 3½"	Kraft #1 Coin	500
EV132	2½" x 4¼ "	Kraft #3 Coin	500
EV131	3" x 4½"	Kraft #4 Coin	500

Ungummed Stock Envelopes

Small ungummed plain envelopes. Great for storage or repair jobs.

Stock #	Size	Description	Quantity
EV152	1¾" x 2¾"	Blue Material	600
EV134	1¾" x 2¾"	White #00 Coin	1000
EV150	1¾" x 1¾"	White Crystal	1000
EV150/BLUE	1¾" x 1¾"	Blue Crystal	1000

Stock Control Envelopes

Heavy-duty brown envelopes with printed inventory grid on both sides. 3" x 4½". 500 per box.

Stock #	Description
EV140	Stock Control Envelopes

Grobet® Swiss Hand Files

Known and recognized throughout the world, Grobet files are unsurpassed for precise accuracy of shapes and sizes, and for extreme hardness. These files have exceptional durability and the "right" balance and feel. The cut portion of the file is 6" long.

Flat or Hand

Parallel in width and tapered in thickness. One edge without cut is safe. 3/4" wide x 5/32" thick.

Stock #	Shape	Cut
FI31.143	Flat	00
FI31.144	Flat	0
FI31.145	Flat	1
FI31.146	Flat	2
FI31.147	Flat	3
FI31.148	Flat	4
FI31.149	Flat	6

Half-Round

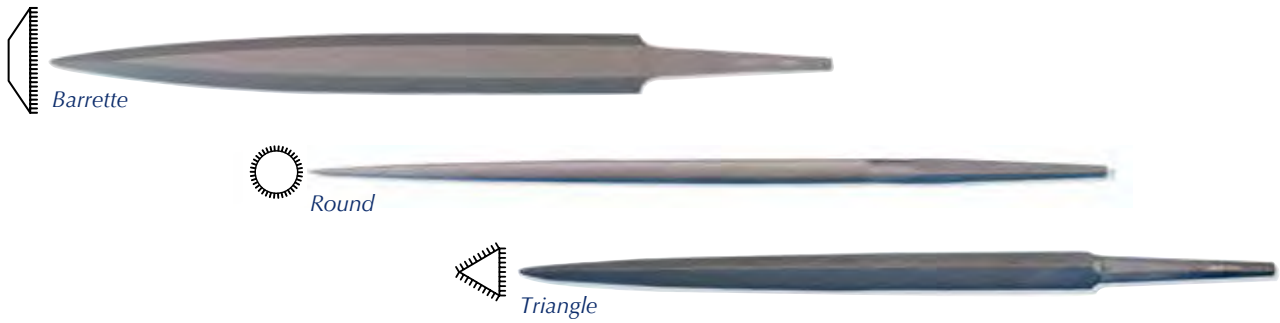
Tapered in width and thickness, coming to a point. Cut on both sides. 19/32" wide x 3/16" thick.

Stock #	Shape	Cut
FI31.111	Half-round	00
FI31.112	Half-round	0
FI31.113	Half-round	1
FI31.114	Half-round	2
FI31.115	Half-round	3
FI31.116	Half-round	4
FI31.117	Half-round	6

Half-Round Slim

Narrower than regular half-round, for filing inside of rings. 5/32" wide x 9/64" thick.

Stock #	Shape	Cut
FI31.127	Half-round Slim	00
FI31.128	Half-round Slim	0
FI31.129	Half-round Slim	1
FI31.130	Half-round Slim	2
FI31.131	Half-round Slim	3
FI31.132	Half-round Slim	4



Barrette

Tapered in width and thickness, coming to a point. Only the flat side is cut, providing a safe edge on top. 23/32" wide x 5/32" thick.

Stock #	Shape	Cut
FI31.027	Barrette	00
FI31.028	Barrette	0
FI31.029	Barrette	1
FI31.030	Barrette	2
FI31.031	Barrette	4

Round

Gradually tapered. Cut and workable to the point. 1/4" diameter.

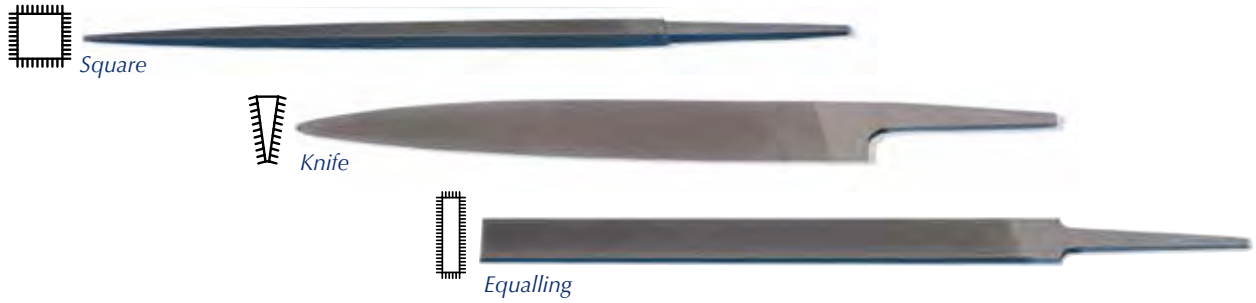
Stock #	Shape	Cut
FI31.287	Round	00
FI31.288	Round	0
FI31.289	Round	1
FI31.290	Round	2
FI31.292	Round	4
FI31.293	Round	6

Three-Square Triangle

Gradually tapered. Cut and workable to the point. 3/8" diameter.

Stock #	Shape	Cut
FI31.371	Triangle	00
FI31.372	Triangle	0
FI31.373	Triangle	1
FI31.374	Triangle	2
FI31.375	Triangle	4

To determine the length of your file, measure the cut portion only, without including the tang. Cut specifications: 00=coarsest, 6=finest. Cuts 2, 3, and 4 are the most common.



Square

Tapered in width and thickness, coming to a point. $^{15}/_{64}$" square. Swiss.

Stock #	Cut
FI31.350	0
FI31.351	1
FI31.352	2
FI31.353	4

Knife

For filing a slot or to wedge a shaped opening. Cut on both sides. $^{23}/_{32}$" wide x $^{5}/_{32}$" thick. Swiss.

Stock #	Cut
FI31.179	00
FI31.181	1
FI31.182	2
FI31.183	4

Equalling

Used primarily for filing slots and corners. $^{1}/_{2}$" wide x $^{7}/_{64}$" thick. Swiss.

Stock #	Cut
FI31.068	00
FI31.069	0
FI31.070	2
FI31.071	4

Screw Head File with Tang

A file with a three inch long cutting length to cut slots in small screws.

2 Cut	4 Cut	6 Cut	8 Cut
FI31.332	FI31.334	FI31.335	FI31.336
.7mm thick	.55mm Thick	.45mm Thick	.36mm Thick

Double-Ended Wax Files

Use this vulcanite file with open, coarse teeth for filing plastics, waxes and soft materials. One end is coarser than the other end. Seven or eight inches long.

Stock #	Description
FI31.385	7″ Swiss File
FI31.384	8″ Swiss File
FI999.00	8″ Standard Model
FI998.00	8″ Economy Model

Mascot® Utility File Set

American pattern files: square, half-round, 3-square, round, flat, and warding. 4" length of cut, overall length of 7". Smooth wooden handle. Comes in a hanging pouch.

Stock #	Description
FI32.510	Set of 6 Utility Files

Deluxe European Wax Needle File Sets

This ultimate wax needle file set has finer, sharp points for precision filing. $5^{1}/_{2}$" inches long.

Stock #	Description
FI905.00	Wax Needle Files, Set of 6

Grobet® - Swiss Needle Files

Use these precision files for exacting work, especially under magnification. Made of the highest quality steel that has been machined and finished for precision shape, accuracy and balance. All have round, knurled handles. Files that are 6¼" long have a cut portion of 3". Files that are 5½" long have a cut portion of 2½".

Barrette Needle File

Tapered in width and thickness, coming to a point. Only the flat side is cut, providing a safe edge on top.

Stock #	Length	Cut
FI31.453	5½"	0
FI31.454	5½"	2
FI31.456	5½"	4
FI31.458	6¼"	00
FI31.459	6¼"	0
FI31.461	6¼"	2
FI31.463	6¼"	4
FI31.464	6¼"	6

Equalling Needle File

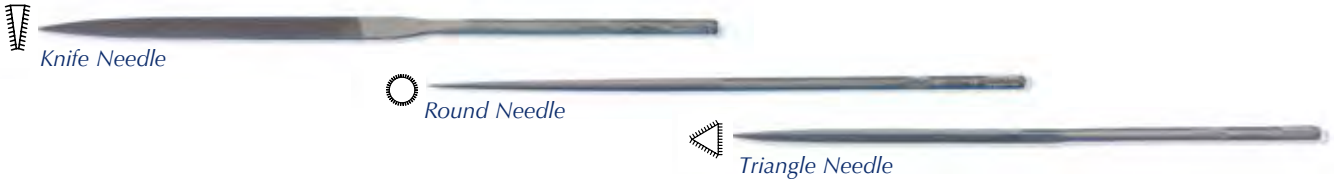
Cut on all four sides, this file is used primarily for filing flat surfaces, slots and corners.

Stock #	Length	Cut
FI31.501	5½"	0
FI31.502	5½"	2
FI31.503	5½"	4
FI31.505	6¼"	00
FI31.506	6¼"	0
FI31.508	6¼"	2
FI31.510	6¼"	4
FI31.511	6¼"	6

Half-Round Needle File

Tapered in width and thickness, this file is cut on both sides down to the point.

Stock #	Length	Cut
FI31.519	5½"	0
FI31.520	5½"	2
FI31.522	5½"	4
FI31.524	6¼"	00
FI31.525	6¼"	0
FI31.527	6¼"	2
FI31.529	6¼"	4
FI31.530	6¼"	6



Knife Needle File

Use to file a slot or to wedge a shaped opening. Cut on both sides.

Stock #	Length	Cut
FI31.554	5½"	0
FI31.555	5½"	2
FI31.556	5½"	4
FI31.558	6¼"	0
FI31.559	6¼"	2
FI31.561	6¼"	4
FI31.562	6¼"	6

Round Needle File

Gradually tapered, this round needle file is also known as a "rat-tail file". Cut and workable to the point.

Stock #	Length	Cut
FI31.585	5½"	0
FI31.586	5½"	2
FI31.588	5½"	4
FI31.590	6¼"	00
FI31.591	6¼"	0
FI31.593	6¼"	2
FI31.595	6¼"	4
FI31.596	6¼"	6

3-Square Triangle Needle File

Gradually tapered. Cut on 3 sides, workable to the point. For corners, sharp angles and creases.

Stock #	Length	Cut
FI31.633	5½"	0
FI31.634	5½"	2
FI31.636	5½"	4
FI31.637	6¼"	00
FI31.638	6¼"	0
FI31.640	6¼"	2
FI31.642	6¼"	4
FI31.643	6¼"	6

Square Needle File

Use to file square corners. Cut on all four sides.

Stock #	Length	Cut
FI31.620	6¼"	0
FI31.622	6¼"	2
FI31.624	6¼"	4

File Assortments

Grobet® Swiss Needle File Sets of 12

Economical set of needle files contains one each barrette, crossing, equalling, half-round, pillar round edge, knife, oval, round, crochet, square, triangular and warding.

Stock #	Length	Cut
FI31.5500	5½″	0 Coarse
FI31.5502	5½″	2 Medium
FI31.5504	5½″	4 Fine
FI31.6250	6¼″	0 Coarse
FI31.6252	6¼″	2 Medium
FI31.6254	6¼″	4 Fine
FI31.682	6¼″	6 Ex-Fine

Economy Needle File Sets

A nice variety of files at a great price. Overall length of 5½". Available in sets of 6 or 12 assorted shapes in a plastic pouch.

Stock #	Description
FI993.00	Set of 6, Cut 2
FI994.00	Set of 6, Cut 0
FI995.00	Set of 12, Cut 2
FI996.00	Set of 12, Cut 0

Mini 4" File Sets

Set of 12 extra-fine needle files in assorted shapes. All are 4" long in cut two.

Stock #	Description
FI990.00	Mini Files

Tell Needle File Sets

Well-made, economical Swiss files of chrome alloy steel. Overall length is 5½" and cut portion is 3". Available in sets of 6 or 12 assorted shapes in a plastic pouch.

Stock #	Description
FI33.906	Set of 6, Medium
FI33.907	Set of 6, Fine
FI33.908	Set of 12, Medium
FI33.909	Set of 12, Fine

Chart Shows Escapement File Shapes

- *Square*
- *Oval*
- *Round*
- *Barrette*
- *Pillar Round*
- *Crochet*
- *Rounding Off*
- *Equalling*
- *Warding*
- *Half Round*
- *Crossing*
- *Knife*
- *Triangular*

Escapement File Sets

Stock #	Description
FI31.770	Cut 2
FI31.771	Cut 4
FI31.772	Cut 6

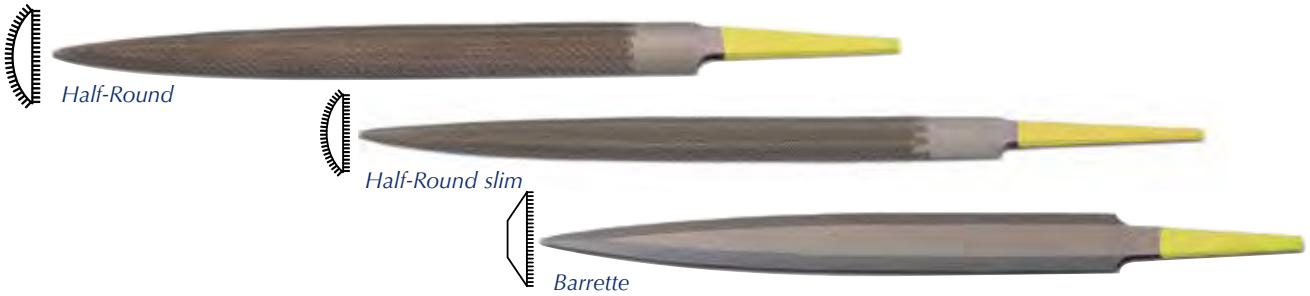
Escapement Files and Sets

Fine quality Swiss files with square handles, are 5½" long. They are available individually or in sets of 12 with all *shapes shown.

Shape of Escapement File	Cut 2	Cut 4	Cut 6	Cut 8
Barrette Pointed End	FI31.701	FI31.703	FI31.704	FI31.705
Barrette Parallel, Flat-End	FI31.708	FI31.709	FI31.710	-
Crossing	FI31.714	FI31.715	FI31.716	-
Equalling	FI31.720	FI31.721	-	-
Half Round	FI31.725	FI31.727	FI31.728	FI31.729
Knife	FI31.731	FI31.732	FI31.733	-
Round	FI31.743	FI31.745	FI31.746	FI31.747
Rounding Off	FI31.750	FI31.751	FI31.752	-
Square	FI31.755	FI31.756	FI31.757	FI31.758
Triangular, 3 Square	FI31.761	FI31.762	FI31.763	FI31.764
3 Square, Slim & Short	FI31.766	FI31.767	FI31.768	-

Grobet Valtitan Hand Files for Platinum

Grobet files with a yellow tang are Valtitan hand files, made using the hardest surface known, Rockwell hardness 72HRc. They provide better performance on hard-to-file surfaces such as platinum, stainless steel and exotic plastics. Little or no clogging, highly resistant to corrosion. Overall length is about 8" with a 6" cut. If used on platinum, avoid contamination by not using on other metals. Swiss.



Half-Round

Tapered in width and thickness, coming to a point. Cut on both sides. $^{19}/_{32}$" wide x $^{3}/_{16}$" thick.

Stock #	Shape	Cut
FI30.231V	Half-Round	0
FI30.232V	Half-Round	2

Half-Round Slim

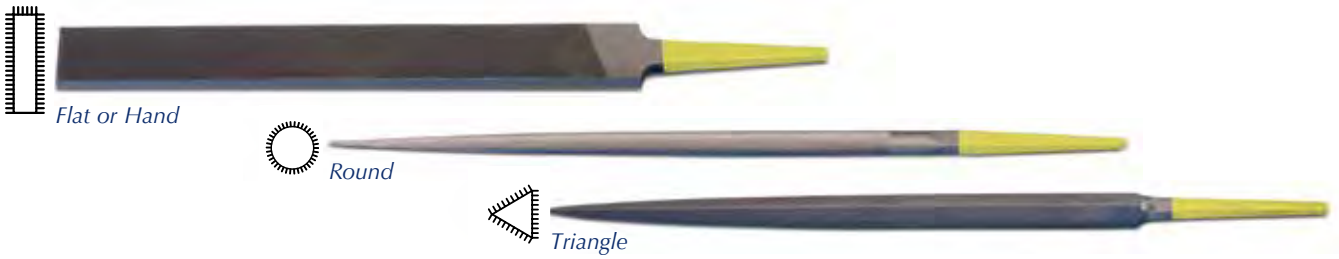
Narrower than regular half-round, for filing inside of rings. $^{15}/_{32}$" wide x $^{9}/_{64}$" thick.

Stock #	Shape	Cut
FI30.241V	Half-Rd Slim	0
FI30.242V	Half-Rd Slim	2

Barrette

Tapered in width and thickness, coming to a point. Only flat side is cut, providing safe edge on top. $^{23}/_{32}$" wide x $^{5}/_{32}$" thick.

Stock #	Shape	Cut
FI30.201V	Barrette	0
FI30.202V	Barrette	2



Flat or Hand

Parallel in width and tapered in thickness. Only one side is cut, providing a safe edge. $^{3}/_{4}$" wide x $^{5}/_{32}$" thick.

Stock #	Shape	Cut
FI30.211V	Flat or Hand	0
FI30.212V	Flat or Hand	2

Round

Gradually tapered. Cut and workable to the point. $^{1}/_{4}$" diameter.

Stock #	Shape	Cut
FI30.251V	Round	0
FI30.252V	Round	2

Three-Square Triangle

Gradually tapered. Cut and workable to the point. $^{3}/_{8}$" diameter.

Stock #	Shape	Cut
FI30.261V	Triangle	0
FI30.262V	Triangle	2

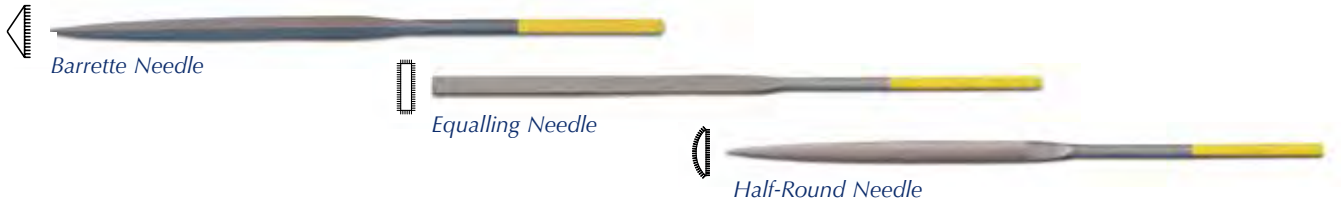
Square

Tapered in width and thickness, coming to a point. $^{15}/_{64}$" square.

Stock #	Shape	Cut
FI30.271V	Square	0
FI30.272V	Square	2

Valtitan Needle Files for Platinum

Needle files with a yellow tang are Valtitan files. Made using the hardest surface known, they have a Rockwell hardness of 72HRc. They provide better performance on hard-to-file surfaces such as platinum, stainless steel and exotic plastics. Little or no clogging, highly resistant to corrosion. Overall length of about 6" with a $3^{7}/_{16}$" cut. Swiss.



Barrette Needle File

Tapered in width and thickness, coming to a point. Only the flat side is cut, providing a safe edge on top.

Stock #	Shape	Cut
FI30.101V	Barrette	0
FI30.102V	Barrette	2

Equalling Needle File

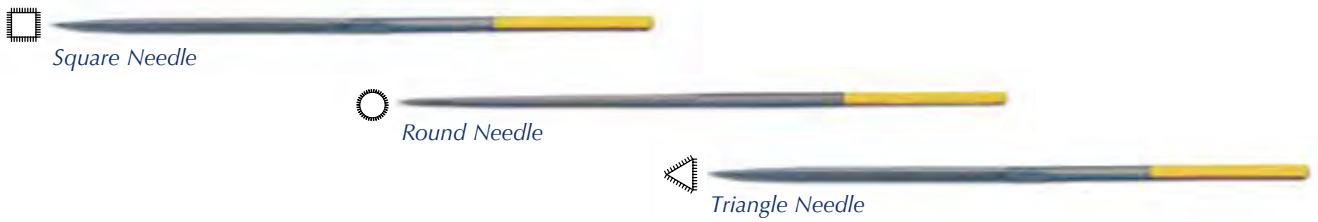
Cut on both sides and edges. Used primarily for filing flat surfaces, slots and corners.

Stock #	Shape	Cut
FI30.104V	Equalling	0
FI30.105V	Equalling	2

Half-Round Needle File

Tapered in width and thickness, coming to a point. Cut on both sides. For curved and flat surfaces.

Stock #	Shape	Cut
FI30.107V	Half-Round	0
FI30.108V	Half-Round	2



Square Needle File

Gradually tapered. Cut on four sides. For filing a slot or wedge a shaped opening.

Stock #	Shape	Cut
FI30.116V	Square	0
FI30.117V	Square	2

Round Needle File

Gradually tapered, "rat-tail file" is cut and workable to the point. For enlarging holes or tubing.

Stock #	Shape	Cut
FI30.119V	Round	0
FI30.120V	Round	2

Three-Square Triangle Needle File

Gradually tapered. Cut on three sides and workable to the point. For corners, sharp angles or creases.

Stock #	Shape	Cut
FI30.113V	Triangle	0
FI30.114V	Triangle	2

Diamond Needle File Sets

Economy diamond needle file sets have fine grit diamond electroplated onto high grade stainless steel. The 5-piece sets have round, half-round, flat, three-square and square. In addition, the 10-piece sets have warding, slitting, oval, knife and barrette files.

Stock #	Description	Cut
FI970.00	Set of 5, 5½"	Medium
FI972.00	Set of 10, 5½"	Medium
FI974.00	Set of 10, 4"	Fine

Set of 6 Valtitan Needle Files

One each barrette, equalling, round, half-round, square and 3-square.

Stock #	Shape	Cut
FI30.122V	Set of 6	0
FI30.123V	Set of 6	2

Blue Plastic Screw-On File Handles

Two threaded sections with different diameters assure proper alignment and a positive hold for files. Comfortably shaped handle, with an unbreakable non-slip plastic surface. Tempered metal, tang-gripping insert. Use HN37.783 for 6" equalling, round and square files, and HN37.784 to hold all other 6" files. 4 1/8" long.

Stock #	Description
HN37.783	Plastic Handle
HN37.784	Plastic Handle

File Cleaner

Stiff wire, firmly set into a hardwood handle gets between all cuts on files to clean out clogged particles. Excellent for removing wax chips. 8" long.

Stock #	Description
FC150	File Cleaner

File Cleaner with Brush

Steel wire bristles are mounted on a wood handle with a handy stiff brush on the reverse side. About 10" long.

Stock #	Description
FC152	File Cleaner Brush

Skroo-Zon File Handles

Add handle to files for comfort. Steel die in handle cuts thread on file tang. Will not slip or turn. Made of wood. For 6" files only. 4" long.

Stock #	Description
HN426	For 6" Files

Needle File Stand

Attractive metal stand conveniently holds and displays 12 needle files up to 6 1/4" long. Keeps files handy whether free standing, hanging on a peg or closed for carrying.

Stock #	Description
FI31.685	Needle File Stand

Wood File Handles with Metal Collars

File is wedged into a small hole in wood handle.

Stock #	Description
HN413	1/4" x 3" Long
HN414	3/8" x 3 1/2" Long
HN417	3/8" x 4" Long
HN418	3/4" x 4" Long

Needle File Handle

Universal file handle, made of durable plastic, holds files securely for precision work. Shaped for comfortable use without fatigue. Change files in seconds with a twist of the ring. 3 1/8" long.

Stock #	Description
HN725.00	Needle File Handle

Needle File Handles

Blue anodized aluminum handles feature a steel easy-release chuck. The small handle holds 4" files and the medium holds 5 1/2" and 6 1/4" files. 4 1/2" long.

Stock #	Description
HN739.00	Small Handle
HN740.00	Medium Handle

Foredom® Flexible Shaft Machines & Accessories

Variable speed foot controls and motors provide the right speed for every job. Slim, light-weight, smooth-running handpieces eliminate vibration, noise and heat. Reliable, durable, fan-cooled ball-bearing motors are economical to operate and easy to maintain. Made in the USA.

Foredom® 2272 1/6 HP Jeweler's Kit

Popular flexshaft setup with 1/6 HP motor gives you the ability to do buffing, grinding, finishing and stone setting. Achieve high torque at low speeds for precise prong cutting. Includes: SR Motor 1/6 HP (18,000 rpm), FCT 1 heavy duty plastic electronic foot control, FDM-30 handpiece with Jacobs chuck key and an 84-piece accessory kit. Two-year warranty.

Stock #	Description
FDM-2272	Foredom 2272 Jeweler's Kit

Foredom® TX 300 1/3 HP Setter's Kit

Permanent-magnet DC motor offers ultimate power with full torque and TX smooth controlled acceleration at all speeds. Includes a 39" flex shaft, 1/3 HP TX motor (15,000 rpm), FDM-30 handpiece with Jacobs chuck key, TXR foot rheostat, shaft grease, extra motor brushes and a 54-piece accessory kit. The TX replaces the old EE and R motors. Backed by a two-year manufacturer's warranty.

Stock #	Description
FDM-TX300	TX 300 Setter's Kit

Foredom® 2230 1/6 HP Jeweler's Kit

Kit with accessories for metal working and stone setting includes: reversible SR 1/6 HP (18,000 rpm) motor, FCT1 heavy duty plastic electronic foot control, FDM-30 handpiece with Jacobs chuck key and 54 accessories including Trazact bands, Scotchbrite EXL wheels, MetalMaster wheels and rods, CW wheels and two compounds. Two-year warranty.

Stock #	Description
FDM-2230	Set with FDM-30 Handpiece

Foredom® 2220 1/6 HP Jeweler's Kit

Kit with accessories for metal working and stone setting includes: reversible SR 1/6 HP (18,000 rpm) motor, FCT1 heavy duty plastic electronic foot control, FDM-20 quick-change handpiece and 54 accessories including Trazact bands, Scotchbrite EXL wheels, MetalMaster wheels and rods, CW wheels and two compounds. Two-year warranty.

Stock #	Description
FDM-2220	Set with FDM-20 Handpiece

Grobet 1/10 or 1/8 HP Flexshaft

Grobet Flexshaft has precision made, cast iron housing, ball bearing motor, maximum 18,000 RPM. Includes smooth operating, electronic foot control, jewelers handpiece with Jacob's chuck and key, and slotted connector on cable and sheath. Compatible with #30 Foredom brand handpiece. One year warranty.

Stock #	Description
FLX-300	1/10 HP Grobet Flexshaft
FLX-330	1/8 HP Grobet Flexshaft

Proflex 140 1/4 HP Flexshaft

This quality flex shaft is powerful, yet offers the jeweler a high value based on the low price. Includes: 1/4 H.P. motor, electronic metal foot control, 30 style Jacobs handpiece and wall mount motor hanger. Made in the USA.

Stock #	Description
FLX-140	Proflex Flexshaft

Handpiece Guidelines

For safety and to ensure the life of your quick change handpiece, do not use the lever as a brake to stop the spinning shaft or reverse the motor direction. Be careful never to allow the accessory to stop suddenly. The torque is transferred directly to the duplex spring and it will fail. Use quality accessories with exactly 3/32" diameter shafts only. Check the accessory shaft for wear or tapering. Some low quality accessories have tapered shafts that will stick in the handpiece. If an accessory sticks, gently tap the bur inward until you hear a click and the bur should come free.

Over Nine Decades of Quality Products and Service

Swiss-born Jules Borel came to America in 1918, and in 1920 started his own business selling parts for Swiss watches. There were many challenging years, but thanks to persistence, hard work and a close relationship with customers, the company grew steadily.

Today more than 35 employees, including many Borel family members, provide fast order filling and quick and economical delivery throughout the country from our central location in Kansas City. We promise to continue our dedication to providing you the best service and products for many years to come.

Jules Borel
1884-1971

Flexshaft Accessories

Maintenance Kits

Contains a spare flexible shaft to replace worn or broken shafts, one pair of replacement motor brushes and grease for ball bearing flexshafts.

Stock #	Description
FDM-MK-8	S, SB, SM, SR, SRB, SRM Motors
FDM-MK-9	CC, DD, MM Motors

Grobet® Chuck Key

The non-rolling, bright red, plastic handle on this chuck handle is easy to spot. The capped hollow handle provides a storage space for drills, burs and other small tools. Gives a better grip and makes changing tools quicker and easier.

Stock #	Description
MO28.212	Chuck Key with Storage

Molded Plastic Handle Chuck Key

The comfortable plastic handle makes accessory changes easier and the key more difficult to misplace. Comes supplied with handpiece FDM-30.

Stock #	Description
FDM-CK-0	Chuck Key

Chuck Key

Fits most standard chuck key handpieces including the FDM-30 and FLX-30.

Stock #	Description
FDM-72	Chuck Key

Foredom® Shafts and Sheaths

Replacement parts for flexshaft motors.

Stock #	Description
FDM-93	Inside Shaft: TX, S, SR, CC, FLX-140 & R Motors
FDM-77	Outside Sheath: TX, S, SR, CC, FLX-140 & R Motors

Carbon Motor Brushes

Carbon brushes are sold by the pair.

Stock #	Description
FDM-119	Motor Brushes for S & CC Motors
FDM-117P	Motor Brushes for R & EE Motors
FDM-319P	Motor Brushes for TX & L Motors

Duplex Springs

Replacement springs for flexshaft handpieces.

Stock #	Description
FDM-76	Foredom and Badeco
MO2653	Faro Standard
MO2653/EZ	Faro EZ with both Connection Ends

Flexshaft Lubrication

Stock #	Description
FDM-10006	Flexible Shaft Grease, 1 oz. Squeeze Tube
FDM-10005	Motor/Handpiece Oil-Hypodermic Dispenser

Connectors For Sheath to Motor

Connector for TX, S, CC, L and R Motors.

Stock #	Description
FDM-UA111P	Connectors

Foot Control, Plastic Housing

Reliable FCT foot-operated speed control for S, SR, and CC motors provides smooth control throughout the entire speed range. It features solid state circuitry in a heavy-duty plastic housing with an extra-wide low profile footprint and non-skid pads on the bottom. UL and CSA listed. 7" x 4½" x 2".

Stock #	Description
FDM-FCT1	Foot Control
FDM-10857	Trigger Switch

Metal Foot Control

The SCT offers the same electronics and smooth control as the FCT but in a much heavier, cast iron housing to reduce unexpected movement of the control along the floor. The bottom surface of the SCT is covered with non-skid material. For S, SR, and CC motors. 115 volts, 6¾" x 4" x 2⅜".

Stock #	Description
FDM-SCT1	Foot Control
FDM-10857	Trigger Switch

Electronic Foot Control

Solid-state electronic foot control gives excellent control at all speeds for S, SR, and CC motors. This high-quality, affordable metal housing foot control is a big improvement over carbon pile foot controls. 110 Volts, 3½" x 6" x 3". Made in the USA.

Stock #	Description
RH150	Foot Control 110V

Table Top Dial Control

The EM is a solid-state table-top control to allow adjusting and setting S and CC motor speeds by hand. Maintain and return to a desired speed by using the motor on/off switch rather than the speed control to power up the unit. Easy-to-replace fuse protects the electronics during power surges and work overloads. 5" x 5¾" x 2⅝ ".

Stock #	Description
FDM-EM1	Table Top Control

Performance and Controlled Acceleration up to 15,000 RPM

TX Rheostat, Plastic Housing

Same control as the FDM-FCT1, but with the special electronic circuitry required for controlling the TX permanent magnet direct current motor.

Stock #	Description
FDM-TXR	Foot Control

TX Metal Rheostat

The FDM-SXR has the stability and durability of the FDM-SCT1, but is enhanced with the special electronic circuitry required for controlling the TX motor.

Stock #	Description
FDM-SXR	TX Metal Control

TX Table Top Dial Rheostat

The special electronic circuitry required for controlling the TX permanent magnet direct current motor is combined with the features of the FDM-EM1 for table top control.

Stock #	Description
FDM-EMX	TX Table Top

Quick-Change Handpieces

Quick-Change Accessory Release Handpieces

Quick-change handpieces enable you to insert and remove 3/32" accessories such as burs, bits, cutters and drills without using a chuck key or pin and wrench. Choose different release mechanisms—push or rotating lever. Accessories not included.

Rotating Lever Action

To insert a rotating lever accessory, rotate the lever 180° toward back end of the handpiece. Insert accessory, and move the lever forward 180° into the locked position.

Press-to-Release Lever Action

Push the lever down to open the collet and release the lever to lock accessories in. Caution: quick-change handpieces must be completely stopped before the bur release lever is activated.

7 3/8" x 21/32"

10 3/4" x 21/32"

Foredom Quick-Change Handpiece

Accessories are switched quickly and easily with a rotating lever action. With pre-lubricated ball bearings, this handpiece is an industry standard. Available with or without a duplex spring. Made in Italy.

Stock #	Description
FDM-10	Handpiece without Duplex
FDM-10D	Handpiece with Duplex
FDM-76	Replacement Duplex Spring

7 1/10" x 19/32"

10 3/8" x 19/32"

Foredom Quick-Change Handpiece

Quickly change accessories with the push of a lever. Ideal for any application requiring frequent changes. Available with or without a duplex allowing for greater flexibility.

Stock #	Description
FDM-18	Handpiece without Duplex
FDM-18D	Handpiece with Duplex
FDM-76	Replacement Duplex Spring

Foredom Quick-Change Handpiece

Handpiece has prelubricated ball bearings and a molded plastic front grip with tapered sides for easy and close handling. Holds a 3/32" (2.35mm) shank.

Stock #	Description
FDM-20	Quick-Change Handpiece

To insert an accessory, rotate lever 90° away from handpiece body. Insert accessory, and move lever forward or back 90° into locked positions.

Swiss Quick-Change Handpiece

Unique handpiece allows the changing of tool bits while the shaft is running, an excellent time-saving feature for stone setting, burring, etc. This ball-bearing handpiece is offered for 3/32" or 1/8" shafts or collets. 5 7/8" L x 7/8" D.

Stock #	Description
MO2655	1/8" Shank Handpiece
MO2657	3/32" Shank Handpiece

Foredom® Dual Ball Bearing Handpiece #30

Foredom's most popular handpiece features a 3-jaw #0 Jacobs® chuck that takes any size shank accessory bit up to 4mm. Comes with the FDM-CK-0 chuck key with molded plastic handle. Various bench top tools are available that work with the versatile FDM-30, including Foredom's drill presses, handpiece holders, the Allset Stone Setter and other kits. 5 3/16" long, 1" diameter.

Stock #	Description
FDM-30	Dual Ball Bearing # 30 Handpiece

Foredom® Cushioned Handpiece Grip

Cushioned handgrip can be ordered to increase comfort and grip.

Stock #	Description
FDM-G30	Handpiece Grip for FDM-30

Versatile Ball Bearing Handpiece

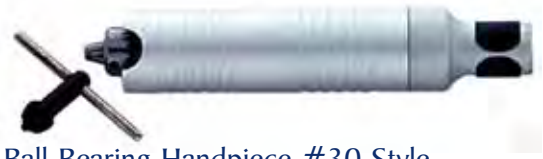
Similar to FDM-30 except it uses fixed size collets instead of an adjusting Jacobs® chuck. The MO2640 can use collets from 1/16" to 1/4" diameter. 5 1/2" x 1" diameter.

Stock #	Description
MO2640	Handpiece with 1/4" Collet

Collet Assortment

Collet assortment is designed for the MO2640. The seven-piece kit includes 1/16", 3/32" 1/8", 5/32", 3/16", 7/32" and 1/4" collets, 1 pin and wrench with chain.

Stock #	Description
MO2640/440CS	7-Piece Kit



Dual Ball Bearing Handpiece #30 Style

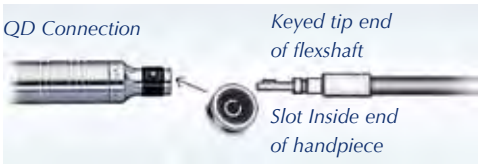
Dual ball bearing handpiece opens to 5/32". Including a 3-jaw Jacobs® chuck with key, this handpiece is a superior value. 5 1/4" x 1" diameter.

Stock #	Description
FLX-30	Dual Ball Bearing Handpiece

Hammer Handpieces

Hammer handpieces have a reciprocating rather than rotary action and are used at low speeds (0-5,000 rpm) by jewelers for stone setting and decorative work. Requiring periodic lubrication, the hammer has a 1/32" stroke and its impact force can be adjusted from light to heavy. It comes with one anvil point and pin for installing and tightening the special threaded points. A pavé point for special texturing and carbide-tipped stylus for marking or scribing hardened steel are available separately. 6 1/2" long, 1/4" diameter at tip.

Stock #	Description
FDM-15	Hammer Handpiece without Spring
FDM-15D	Handpiece with Duplex Spring
FDM-10177P	Anvil Point
FDM-R15PT	Pavé/Diamond Point
FDM-10212	Carbide-Tipped Stylus



What is an Interchangeable Handpiece?

The Quick Disconnect (QD) feature makes it fast and easy to interchange handpieces to any flexible shaft, using the back portion of Foredom's extensive selection of "QD" type handpieces. Inside the QD is a round connector with a slot that accepts the "keyed tip" on the end of the flexible shaft. Since the QD's are the same on all handpieces of this type, they are interchangeable and can be attached or removed with ease. When attaching a handpiece, be sure that the keyed tip of the flexible shaft is properly lined up with the slot in the back end by looking inside before pushing it on. To remove, simply pull the handpiece off the shaft with a firm grip.

Flexshaft Stands

Telescoping Screw-down Motor Hanger

The Foredom® MH-7 has a telescoping design for easy height adjustment. The pole screws allow the user to adjust motor height and to swivel motor position. Comes with a permanently fixed mounting clamp and three screws for attaching to bench tops.

Stock #	Description
FDM-MH7	Telescoping Hanger

Double Flexshaft Hanger

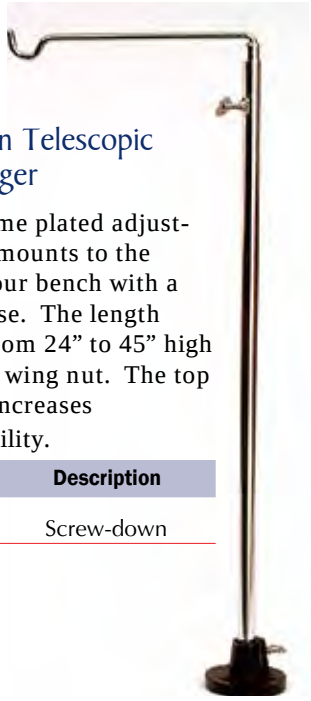
The Foredom® MH-1 features a mounting clamp for attaching to bench tops. Includes HR2 handpiece rest, also available separately and shown below.

Stock #	Description
FDM-MH1	Motor Hanger

Handpiece Rest for MH7

The HR-2 slides onto your Foredom® or other motor hanger with a 1/2" or smaller diameter pole and secures your handpieces when not in use. This handy item has been re-designed for holding two handpieces and a motor cord, a perfect attachment for the double motor hanger.

Stock #	Description
FDM-HR2	Handpiece Rest



Screw-down Telescopic Motor Hanger

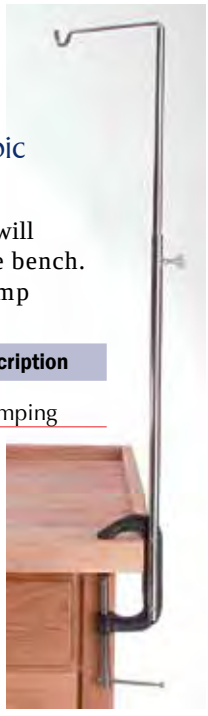
Sturdy chrome plated adjustable holder mounts to the surface of your bench with a screw-on base. The length telescopes from 24" to 45" high by turning a wing nut. The top swivel arm increases maneuverability.

Stock #	Description
HO581	Screw-down

Screw-down Double Hook Motor Hanger

Swiveling holder hangs two flexshaft motors. Screws onto bench. Adjusts from 27 1/2" to 41".

Stock #
HO34.613



Clamping Telescopic Motor Hanger

Telescoping hanger will extend 42" above the bench. 10" swing arm C-clamp mount.

Stock #	Description
HO620.00	Clamping

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will

GA398.00

GA178.00

Digital LCD Caliper

Larger electronic caliper measures inside and outside in either millimeters or inches. The smaller caliper measures in millimeters only. Both have an instant LCD display, zeroing feature, depth blade, thumb roller, case and one extra battery. Made in China.

Stock #	Length	Capacity	Accuracy
GA398.00	9¼"	6", mm and inches	.01mm
GA178.00	6¾"	4", mm only	.01mm

Compact Digital Gauge

Compact digital gauge measures from 0-25mm to .01 mm accuracy and from 0 to 1-inch in .001 inch accuracy. Measures inside and outside and depth. Numbers flash when battery is low. Case included.

Stock #	Description
GA192.00	Digital Gauge

GA170.80

GA169.80

Millimeter Brass Gauges

Brass gauges are small enough to carry in a pocket. Measures inches and millimeters up to 3½" (80mm). Metal under-plate on the GA170.80 helps keep stones flat.

Stock #	Description
GA170.80	Brass Millimeter Gauge with Holder 80mm
GA169.80	Brass Millimeter Gauge, 80mm
GA168.80	German Made, 80mm Brass

Mitutoyo Digital LCD Caliper

Premium 4" electronic calipers for measuring inside and outside to the nearest .001 inch or .01mm. Features instant LCD display and zero feature, depth blade, thumb roller, case and an extra battery.

Stock #	Description
GA135.003	100mm Japanese Caliper

Stainless Steel Dial Caliper

Value-engineered 9⅜" caliper measures inside, outside, and depth. Accurate to .02mm, measuring range of 0-150mm. Has "adjust to zero" dial and thumb-roller action with lock.

Stock #	Description
GA177.00	Dial Caliper

Watch Bench Micrometer

Moveable horizontal table is adjustable to any position. Allows extreme precision when measuring jewels, wheels, springs, etc. Capacity ranges from 0-25mm. Measuring spindles are hardened steel. Accurate to .01mm.

Stock #	Description
BG6733-1	Bench Micrometer

Bench Micrometer

Capacity ranges from 0-15 mm. Measuring spindles made from hardened metal. Accurate to .01mm.

Stock #	Description
BG6734	Bench Micrometer

Degree & Millimeter Gauges

Degree Gauge

Lightweight, sensitive gauge made of polished steel, with easy-to-read brass indexes. 6½" overall length, 15mm capacity. Made in the USA.

Stock #	Description
GA35.012	1/10mm Gauge, Non-Adjustable
GA35.018	1/10 mm Gauge w/ Adjustable Points

Small Degree Gauge

Smaller stainless steel gauge is calibrated to 0.10mm accuracy with an overall length of 4".

Stock #	Description
GA160.00	Small Degree Gauge

Steel Millimeter Gauge

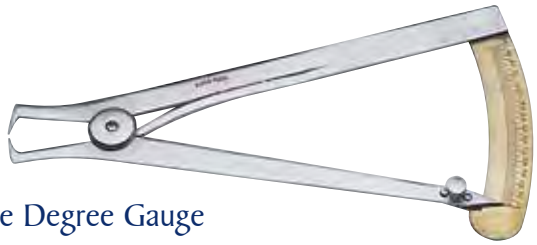
This excellent quality 6" Vernier caliper has finely honed jaws for exacting inside, outside and depth measurements. Features inch and metric calibration, with accuracy to .008" and .05mm.

Stock #	Description
GA175.00	Steel Millimeter Gauge

Wire & Drill Gauge

Standard gauge for measuring wire and sheet in sizes 0 to 36, with decimal equivalents on back.

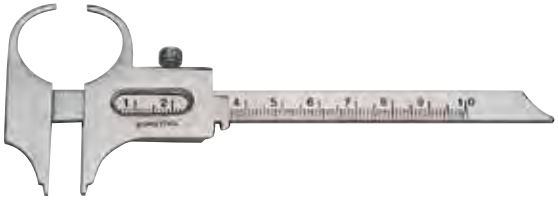
Stock #	Description
GA203	Wire Gauge



Large Degree Gauge

Stainless steel gauge with spring action, brass measuring slide and custom ground jaws. Calibrated to 0.10mm accuracy with a 15 mm capacity.

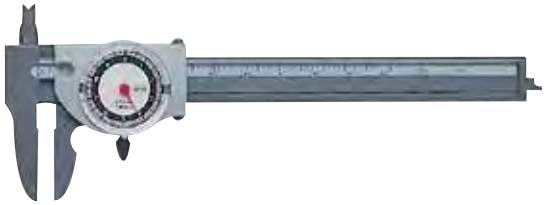
Stock #	Description
GA160.10	Large Degree Gauge



Boley-Style Millimeter Gauge

Pocket-size gauge gives quick measurement of inside or outside diameters in millimeters. It even works on mounted stones. Range of 0 to 10 mm. 5¾" long.

Stock #	Description
GA161.00	Boley Millimeter Gauge



Plastic Millimeter Gauge

Made of attractive, high impact glass filled nylon, this gauge measures up to 100mm and is accurate to 0.10mm. Can be zero adjusted by turning the dial. Comes with a tough, plastic, protective case. 6" overall length.

Stock #	Description
GA183.00	Plastic Millimeter Gauge

Shank & Bracelet Gauge

Measures flat stock for rings, sizes 1-14 and bracelets from baby's to large men's sizes. Use wire gauge from size 6 to 26 in all shapes.

Stock #	Description
GA425	Shank Gauge

Gold Testers

The revolutionary and best performing AuRACLE gold tester is the most user-friendly handheld electric gold tester. The new mobile version makes it faster, easier and more convenient than ever before. You may now use your favorite Apple iOS or Android device for testing gold and platinum!

Calibration

Results

History

Meter

- Works with iPhone, iPad, iPod Touch and Android phones and tablets—Device not included
- Includes pen probe, file, mobile device stand, testing plate and easy to follow instructions
- Tests all colors of gold from 6K to 24K and platinum
- Immediate test results, no waiting between tests
- Compact and portable, small enough to easily fit into your pocket, no external power required
- Mobile software application included
- One-touch easy pen probe calibration for consistent results
- Read test results by digital bar graph numerical readout or analog meter readout
- Pen probe provides approximately 5000 tests with proper care
- Save results instantly for tracking testing history
- Optional iTune or Android downloadable apps available for increased productivity and screen customization
- Follow easy steps to identify non-gold, gold plate and gold filled
- No messy gel, no staining chemicals, no dangerous acid.
- Variable karat gold options may be used to calibrate this instrument

AuRACLE™ Gold Tester

Stock #	Description
TS-GT2005	Apple Version

AuRACLE™ Gold Tester

Stock #	Description
TS-GT2006	Android Verson

Gold Tester GXL-24-Pro

Measure platinum and 6 to 24 karat gold using technology from Tri-Electronics. AC power is UL listed, or use two nine-volt batteries. The gold karat number identified is displayed directly on the screen. Three-year warranty. 12" x 10" x 3".

Stock #	Description
TS56.763	110 Volt Tester
TS56.790	Replacement Sensor

Gold Test Acids

Gold test acids are available for 10k, 14k, 18k and 22k gold as well as silver and platinum. Sturdy plastic bottles maximize safety and allow the user to easily squeeze out a drop at a time.

Stock #	Quality	Grams
TS900	10k	12
TS901	14k	12
TS902	18k	12
TS903	22k	12
TS904	Silver	12
TS905	Platinum	12

Custom Assortments are Convenient

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn't be simpler.

Gold Tester GT-4000

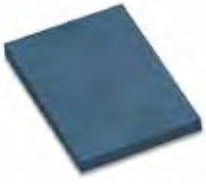
Tests 6 to 24 karat gold and platinum.

Stock #	Description
TS56.785	110 Volt Tester
TS56.767	Replacement Pink Gel
TS56.769	Pro Cleaning Solution
TS56.783	Replacement Sensor
TS56.787	Lead Wires

Gold Test Kit

The gold test kit features a touch-stone, three test needles and testing acids for 10k, 14k and 18k gold.

Stock #	Description
TS808	Gold Test Kit
TS802	Box Only



Gold Test Stone

Use with solutions and test needles to determine karat value. 2" x 1½".

Stock #	Description
ST720.00	Economy Test Stone
ST713	Test Stone

Gold Tester GT-3000

Tests 6 to 18 karat gold and platinum.

Stock #	Description
TS56.782	110 Volt Tester
TS56.766	Replacement Yellow Gel
TS56.769	Pro Cleaning Solution
TS56.783	Replacement Sensor
TS56.787	Lead Wires
TS56.791	Test Plate

Gold Test Needles

Use with test stones and solutions to determine the gold contents.

Stock #	Description
TS803	Set of 3 (10, 14, 18k)
TS805	Set of 5 (8-14k, 18k)
TS809	Set of 9 (4-20k, silver)

Money Detective

Verify the authenticity of currency. Apply the pen's tip, and the ink mark verifies legal tender or a black mark warns of a suspect bill.

Stock #	Description
TS125.00	Money Detective Pen

Mallets with Detachable Faces

Mallets have interchangeable brass, fiber or nylon faces to provide any combination desired and are replaceable when worn. Supplied with two different faces and a wrench to tighten or remove collars. 9" long.

Stock #	Face	Head Size	Weight
MA37.534	Brass/Fiber	9/16" x 2"	2 1/2 oz.
MA37.536	Brass/Nylon	9/16" x 2"	2 1/2 oz.

Replacement Faces

Stock #	Type
MA37.550	Brass
MA37.551	Fiber
MA37.552	Nylon

Nylon Hammers

Our German-made nylon-faced hammers offer the best in quality and value. Each hammer has a seasoned ash handle, drop-forged head and two durable nylon faces. Spare faces are available by the pair in high-impact nylon and are easy to replace.

Stock #	Face Diameter	Description
HA360.05	7/8"	Hammer
HA360.15	7/8"	Pair Replacement Faces
HA365.05	1 1/16"	Hammer
HA365.15	1 1/16"	Pair Replacement Faces

Brass and Nylon Hammer

Nice metal hammer has a solid brass head with one nylon end, ideal for working with metals. 9 3/8" long.

Stock #	Description	Head Size
HA37.0181	Brass/Nylon Hammer	9/16" x 2"

Brass Head Mallet

This brass head mallet with high quality wood handle has just the right amount of spring. Overall length is 8 1/4" and the weight is 2 ounces.

Stock #	Description	Head Size
MA37.530	Brass Head Mallet	1/2" x 2"

Brass Hammer

Handy, durable small brass hammer with hardwood handle will give years of service. The head has a 5/8" diameter and weighs 3 ounces. This quality hammer has an excellent balance and feel. Overall length is 9 1/8".

Stock #	Description	Head Size
HA215.00	Brass Hammer	5/8" x 2"

Deluxe Brass Hammer - Flat and Ball Peen

This 2-ounce hammer with flat and ball peen heads features a superb quality solid brass head threaded onto an anodized aluminum hex-shaped handle. A special compound is used to ensure the head cannot release. Overall length 8". Made in the USA.

Stock #	Description	Head Size
HA130.00	Brass Ball Peen	5/8" x 2"

Bergeon Brass Hammer

Solid brass head, three ounce hammer with flat and ball peen face mounted on wood handle. Swiss.

Stock #	Description
BG30416	3 oz. Brass Hammer
HA217	2 1/2" oz. Brass Hammer

Boxwood Mallet

Made of quality boxwood, one of the hardest woods available, with a seasoned wood handle. Excellent for removing dents, straightening and flattening metals.

Stock #	Description	Head	Face Dia.
MA183	Mallet	2¾″	1″
BG1447	Swiss Mallet	2¾″	1⅜″

Watchmaking Hammer

Bergeon hammer for watchmaking. Has flat and chisel-shaped ends. Swiss.

Stock #	Description	Head	Face Dia.
BG1438-C2	Hammer	2⅜″	⅜″
BG1438-C3	Hammer	2¾″	7/16″

Swiss Style Hammers

Ideal for watchmaking or other light work. One end is flat and the other is chisel-shaped for spreading rivets. Forged heads are mounted on hardwood handles.

Stock #	Description	Head	Face Dia.
HA353	Light Hammer	2¼″	5/16″
HA355	Light Hammer	2½″	⅜″
HA356	Light Hammer	2¾″	7/16″
HA357	Light Hammer	3″	15/32″

Riveting Hammer

General use hammer with one flat end and the one chisel-shaped end for spreading rivet heads. Drop forged, polished head is mounted on select hardwood handle. 10½” overall length. HA364, 368, and 369 are made in USA. HA363 is an imported, economy model.

Stock #	Face Dia.	Head Length	Weight
HA363	5/16″	3″	2oz.
HA364	½″	3⅝″	4oz.
HA368	½″	4″	5oz.
HA369	½″	4″	7oz.

Riveting Hammers

Features flat end for general purpose use and a chisel-shaped end for spreading rivet heads. Handles are seasoned ash. Two models with 3” heads. Made in Germany.

Stock #	Face Diameter	Weight
HA200.00	⅜″ Round	2½ oz.
HA202.00	½″ Square	4oz.

Riveting Hammers

General utility hammer with chisel-formed end for spreading rivet heads. Metal handle is 9” long and the head length is 2 13/16”.

Stock #	Description
HA362	Riveting Hammer

Goldsmith’s Hammer

Goldsmith’s hammer has a 3½” long, 4-ounce head with one round ⅝” diameter flat end, and one chisel-shaped end. Mounted on a sturdy hardwood handle, 11 7/8” long.

Stock #	Description
HA409	Goldsmith’s Hammer

Chasing Hammers

Economical quality hammers for silversmiths and arts and crafts work. The flat head is used to flatten, shape and form objects, and to strike chasing tools. The round end is used to form decorative patterns and designs. Hardwood handle.

Stock #	Description	Head Length
HA365	Chaser's Hammer	1″
HA366	Chaser's Hammer	1⅛″
HA367	Chaser's Hammer	1¼″

Chasing Hammers

Chasing hammers have a large face for striking chasing tools or flattening. The peen side is for riveting and metal design. The forged head is wedge-mounted on a hardwood handle. Overall length 11".

Stock #	Head Length	Head Weight
HA150.00	1″	3oz.
HA151.00	1⅛″	4oz.
HA152.00	1¼″	6oz.

Master Quality Chasing Hammer

The large flat surface is used to flatten objects and to strike chasing tools. The round end is for riveting and making decorative designs on metals. Forged steel heads are mounted on pistol-type hardwood handles. Made in Germany.

Stock #	Face Diameter
HA37.184	1″
HA37.186	1⅛″
HA37.188	1¼″
BG1441-2	⅞″ Swiss

Handles for Master Quality Chasing Hammers

Pistol-shaped handle of hardwood for 1" - 1¼" face diameter hammer heads. Swiss.

Stock #	Description
HN37.891	Hardwood Handle

Master Quality Ball Peen Hammers

High carbon steel provides extra strength for driving chisels, punches, etc.

Stock #	Head Length	Head Weight
HA37.122	2″	2oz.
HA37.124	2¾″	4oz.

Economical Quality Ball Peen Hammers

General use hammers have one flat end, one round end and hardwood handles.

Stock #	Head Length	Head Weight
HA349	1⅞″	1oz.
HA350	2″	2oz.
HA351	2⅝″	4oz.
HA352	3¼″	8oz.

Handles for Chasing Hammers

HN412

Ten-inch long replacement handles in various shapes.

Stock #	Description
HN410	Pistol Handle
HN411	Round Handle
HN412	Oval Handle

Deluxe Rawhide Mallets

Mallets are American-made of fine rawhide infused with shellac. Use for scratchless stamping and hammering of metals. The handle is made of select ash.

Stock #	Size	Diameter	Length	Weight
MA170	0	1″	2″	2oz.
MA171	1	1¼″	2½″	4oz.
MA172	2	1½″	3″	6oz.
MA173	3	1¾″	3⅜″	9oz.

Lead-filled Rawhide Mallets

Stock #	Size	Diameter	Length	Weight
MA171L	1	1¼″	2½	8oz.
MA172L	2	1½″	3	12oz.

Petitpierre Hand Setting Press

High quality hand setting tool Features three or four stakes with plastic tips for precise hand setting. Obtain exact alignment with the the adjustable tool holder and stake height. Quickly identify the stakes by the color heads and bands. Swiss, from Petitpierre.

Stock #	OD Hole	ID Hole	Description
BG6935-3			Hand Press, 3 Stakes
BG6935-4			Hand Press, 4 Stakes
BG6935T/0.60	0.60	1.70	Gray
BG6935T/1.20	1.20	2.10	Red
BG6935T/1.60	1.60	2.60	Gold
BG6935TP/1.50	1.50	Solid	Blue
BG6935TP/2.60	2.60	Solid	Black
BG6935-P-325	3.25		Intermediate Plate
BG6935-P-500	5.00		Intermediate Plate
BG6012-SD			Small Second Hands

Bergeon Hand Fitting Tool

Includes eight stakes and holder: one conical stake, one nylon tip stake, and six stakes, on a 50mm metal base. Swiss.

Stock #	Item	Hole size
BG5378	Hand Fitting Tool	
BG5378/BR	Stake Holder	
BG5378/TC	Conical Stake	
BG5378/TF	Stake - Nylon Tip	
BG5378A/0.30	Stake	.30mm
BG5378A/0.50	Stake	.50mm
BG5378A/0.70	Stake	.70mm
BG5378A/1.15	Stake	1.15mm
BG5378A/1.50	Stake	1.50mm
BG5378A/1.70	Stake	1.70mm

Horotec Hand Setting Press

Gain precise control by holding the staking tool vertically while pressing the hands. Includes eight stakes: flat conical, flat nylon tip and six with holes of .50-1.70mm.

Style #	Description
HT-M5015	Hand Setting Press
HT-M5015/A	Hole Tip .50mm
HT-M5015/B	Hole Tip .70mm
HT-M5015/C	Hole Tip .90mm
HT-M5015/D	Hole Tip 1.20mm
HT-M5015/E	Hole Tip 1.50mm
HT-M5015/F	Hole Tip 1.70mm
HT-M5015/G	Flat Tip
HT-M5015/H	Conical Tip
HT-M5015/1	Die/Tip Holder
HT-M5015/2	Holder Spring

Horotec Hand Press

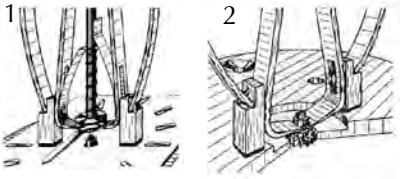
Three screw-on spring loaded stakes. Provides greater efficiency with one stake each for hour, minute and second hand.

Style #	Description
HT-M5017	3-Position Press
HT-M5017/A	Hole .50mm
HT-M5017/B	Hole .70mm
HT-M5017/C	Hole .90mm
HT-M5017/D	Hole 1.20mm
HT-M5017/E	Hole 1.50mm
HT-M5017/F	Hole 1.70mm
HT-M5017/G	Flat Tip
HT-M5017/H	Conical Tip
HT-M5017/1	Die/Tip Holder
HT-M5015/2	Holder Spring

Bergeon PRESTO Hand & Wheel Removers

Use these popular, high-quality tools to remove hands and wheels. Swiss.

Stock #	Description	Color
BG30636	#1 Remover	Black Handle

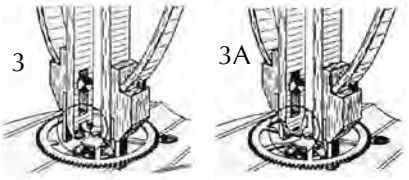


Remove cannon pinions and hands of pocket watches.

BG30637/2	#2 Remover	Green Handle

Remove wheels on third arbors of chronographs (wheels with five spokes).

BG30638/3	#3 Remover	Blue Handle

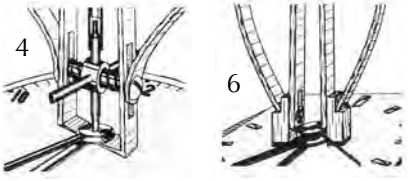


Remove wheels on third arbors of chronographs (wheels with six spokes).

BG4079/3A	#3A Remover	Red Handle

For alarms, timers, and instruments with different spokes (.7, .9, 1.2, 1.5mm).

BG30669/4	#4 Remover	Purple Handle

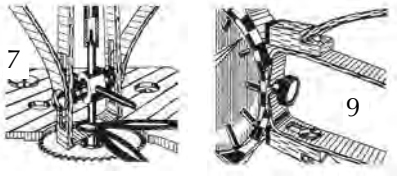


Thin narrow jaws for removing second hands.

BG30670/6	#6 Remover	White Handle

Remove watch hands without touching dial or movement. Points: .40, .50, .65, .90, and 1.15.

BG30671/7	#7 Remover	Orange Handle



Remove hands and setting knobs on small clocks, also split stem crowns.

BG4344/9	#9 Remover	Yellow Handle

"Ideal" Hand & Wheel Removers

Two prong fork shaped tools with 1.1mm tips help remove intermediate wheels, minute and second hands, chronograph wheels, and rollers. Push in and rotate handle slightly back and forth. Swiss.

Stock #	Description
BG6016	Ideal Remover

Bergeon Hand Gauge

Measures hole size for hour and minute hands from .3 - 2mm.

Stock #
BG30464

Timer Hand Remover

Use the "lantern-chuck" for quick and easy hand removal on timers and pocket watches. Will not damage dial since pressure is placed evenly. Swiss.

Stock #	Description
BG5060	Hand Remover

Bergeon Hand Lifting & Hairspring Collet Tool Assortment

Use the "Lantern-chuck" for easy hand removal and to remove, turn and set hairspring collets. Will not damage dial since pressure is placed evenly. Twelve levers, including BG30015G and P, 30017G and P, 30011, 30012, 30013, and 30014. Swiss.

Stock #	Description
BG30020	Lever Set

Dial Protector

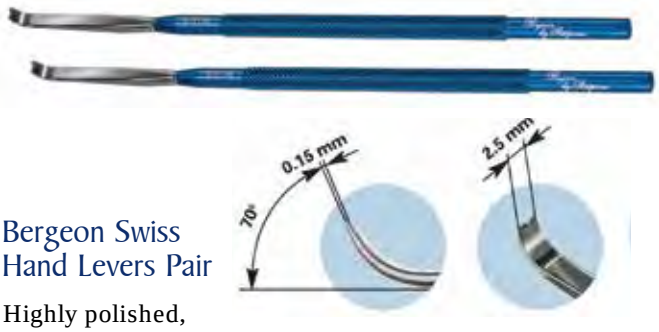
Protect dials while fitting or removing hands.

Stock #
BG6938

Bergeon Watch Hand Holder

Hold watch hands and small parts when broaching. Ten holes. Swiss.

Stock #	Description
BG2676B	Hand Holder



Bergeon Swiss Hand Levers Pair

Highly polished, hardened steel-tipped levers. The blue BG30018 is 105mm long, has a 70° angle and a small notch. BG30019 is 110 long, with black handle and no notch.

Stock #	Handle	Size
BG30018	Blue (shown)	2.5 x .15mm Tip
BG30019	Black (not shown)	2.5 x .20mm Tip

Bergeon Hand Lever Pair

Pair of small levers for removing hands have plastic handles, two different tip widths. Swiss.

Stock #	Tip Width	Overall Length
BG5431	3.0mm	90mm
BG5431D	4.0mm	90mm

Bergeon Swiss Hand Lever Pair

Pair of levers for removing hands on clocks and instruments. 105mm long.

Stock #	Size of Tip
BG30011	7mm Tip Width
BG30012	9mm Tip Width

Our Assortments are Convenient

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn't be simpler.

Hairspring Collet and Hand Removers

Pair of levers for removing hairspring collets. 105mm long. All metal, except for BG5430 which has red plastic handles.

Stock #	Size of Tip
BG30013	1.7mm
BG5430	1.8mm
BG30014	2.5mm

Hand Levers

Top quality tools with super polished steel tips. Have a perfect finish to allow you to remove watch hands without damaging or scratching the dial. Ideal for luxury watches and clocks. Anodized aluminum handles. Swiss. Sold as a pair.

Stock #	Tip Width	Handle Color	Overall Length
RM174.322	2.5mm	Blue	4¼″
RM174.324	4.0mm	Red	4¼″

News You Can Use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

Quartz Hand Setting Tool

Use to refit hands.

Stock #	Color	Ends
BG7404-1	Grey	.50 - 1.00 mm
BG7404-2	Black	.80 - 1.50 mm
BG7404-3	Red	Flat and Conical
BG7404	Set of 3	

Tips

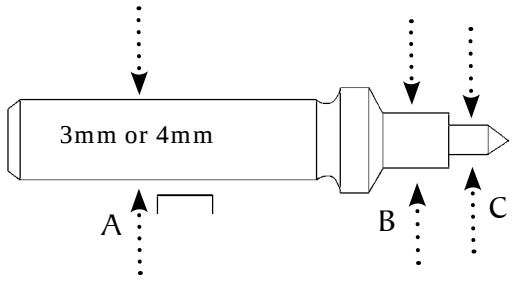
Stock #	Description	Tip Size
BG7404E/.50	Replacement Tip	.50mm
BG7404E/.80	Replacement Tip	.80mm
BG7404E/1.00	Replacement Tip	1.0mm
BG7404E/1.50	Replacement Tip	1.5mm
BG7404E/P	Flat Replacement Tip	Conical Hole
BG7404E/PL	Flat Replacement Tip	No Hole

Luminous Paint Kit

Paint hands using new kit of luminous hand compound, including pigment, thinner and lacquer. Small mixing bowl and mixing tool are also included. Swiss.

Style #	Description
BG5680B-07	Luminous White Paint Kit
BG5680J-07	Luminous Yellow-Green Paint Kit
BG5680V-07	Luminous Green Paint Kit
BG5680BP	White Pigment Only
BG5680JP	Yellow Pigment Only
BG5680VP	Green Pigment Only
BG5680RP	Red Pigment Only
BG5680OP	Orange Pigment Only
BG5680BEP	Blue Pigment Only
BG5680BD	Thinner Only
BG5680BL	Lacquer Only

Horia Jeweling Tools Pushers and Anvils



Pushers

Factory#	OD (B)	Pusher (C)	3mm Mount (A)	4mm Mount (A)
050	0.45	0.20	BG5374F3/050	BG5374F4/050
060	0.55	0.40	BG5374F3/060	BG5374F4/060
070	0.65	0.40	BG5374F3/070	BG5374F4/070
080	0.75	0.40	BG5374F3/080	BG5374F4/080
090	0.85	0.50	BG5374F3/090	BG5374F4/090
100	0.95	0.50	BG5374F3/100	BG5374F4/100
110	1.05	0.50	BG5374F3/110	BG5374F4/110
120	1.15	0.50	BG5374F3/120	BG5374F4/120
130	1.25	0.70	BG5374F3/130	BG5374F4/130
140	1.35	0.70	BG5374F3/140	BG5374F4/140
150	1.45	0.70	BG5374F3/150	BG5374F4/150
160	1.55	0.70	BG5374F3/160	BG5374F4/160
170	1.65	0.70	BG5374F3/170	BG5374F4/170
180	1.75	0.70	BG5374F3/180	BG5374F4/180
190	1.85	0.80	BG5374F3/190	BG5374F4/190
200	1.95	0.80	BG5374F3/200	BG5374F4/200
210	2.05	0.80	BG5374F3/210	BG5374F4/210
220	2.15	0.80	BG5374F3/220	BG5374F4/220
230	2.25	0.80	BG5374F3/230	BG5374F4/230
240	2.35	0.80	BG5374F3/024	BG5374F4/240
250	2.45	0.80	BG5374F3/250	BG5374F4/250
260	2.55	0.80	BG5374F3/260	BG5374F4/260
270	2.65	0.80	BG5374F3/270	BG5374F4/270
280	2.75	0.80	BG5374F3/280	BG5374F4/280
290	2.85	0.80	BG5374F3/290	BG5374F4/290
300	2.95	0.80	BG5374F3/300	BG5374F4/300
305	0.90	0.80	BG5374F3/305	BG5374F4/305
310	0.80	0.80	BG5374F3/310	BG5374F4/310

Anvils

Factory #	OD	Hole	4mm Mount
-	-	-	-
060	1.40	0.70	BG5374E/060
070	1.50	0.80	BG5374E/070
080	1.60	0.90	BG5374E/080
090	1.80	1.00	BG5374E/090
100	1.90	1.10	BG5374E/100
110	2.00	1.20	BG5374E/110
120	2.10	1.30	BG5374E/120
130	2.20	1.40	BG5374E/130
140	2.40	1.50	BG5374E/140
150	2.50	1.60	BG5374E/150
160	2.70	1.70	BG5374E/160
170	2.90	1.80	BG5374E/170
180	3.00	1.90	BG5374E/180
190	3.20	2.00	BG5374E/190
200	3.30	2.10	BG5374E/200
210	3.40	2.20	BG5374E/210
220	3.50	2.30	BG5374E/220
230	3.60	2.40	BG5374E/230
240	3.80	2.50	BG5374E/240
250	4.00	2.60	BG5374E/250
260	4.10	2.70	BG5374E/260
270	4.20	2.80	BG5374E/270
280	4.30	2.90	BG5374E/280
290	4.40	3.00	BG5374E/290
300	4.50	3.10	BG5374E/300
305	8.00	Solid Base	BG5374E/305
310	1.50	0.50	BG5374E/310
315	1.50	1.00	BG5374E/315
316	2.00	1.30	BG5374E/316
317	3.00	2.00	BG5374E/317

KIF Trio Shock Spring Tools

Set of 3 handheld tools for assembling/dismantling shock springs. Supplied with 5 springs of 3 sizes each.

Stock #	Description
RM18538	KIF Tool Set

HORIA Micrometric Jeweling Tool

Swiss jeweling tool has micrometric screw for rectifying endstakes. BG5372-61-4 will also hold Seitz accessories.

Stock #	Hole Size Top/Bottom
BG5372-61-4	4/4mm
BG5372-61-3	3/4mm

Replacement Anvils

Replacement anvils E. State size .60, .80, 1.60, 1.80, 2.50, 3.00, 4.00.

Stock #	Diameter
BG5374E/Size	4.00mm

Replacement Pump Pushers

Replacement anvils F. State size .50, .60, .70, .80, .90, 1.00, 1.30, 1.40, 1.80, 1.90, 2.10, 2.80, 3.00.

Stock #	Size
BG5374F3/Size	3mm
BG5374F4/Size	4mm

Anvil and Pusher Set

Set of anvil and fork staff pusher.

Stock #	Size
BG2238-3	3mm
BG2238-4	4mm

Anvil and Guard Pin Pusher Set

Set of anvil and guard pin pusher.

Stock #	Size
BG2237-3	3mm
BG2237-4	4mm

Eight pump pushers and three anvils.

Stock #	Size Top/Bottom
BG5374A-3	3/4mm
BG5374A-4	4/4mm

Twelve pump pushers and six anvils.

Stock #	Size Top/Bottom
BG5374B-3	3/4mm
BG5374B-4	4/4mm

15 pump pushers and 15 anvils. Set of one anvil and fork-staff. Set of one anvil and guard-pusher.

Stock #	Size Top/Bottom
BG5374C-3	3/4mm
BG5374C-4	4/4mm

24 pump pushers and 24 anvils.

Stock #	Size Top/Bottom
BG5374D-3	3/4mm
BG5374D-4	4/4mm

Seitz Jeweling Tool Set - Basic

Swiss jeweling basic tool set for lanterning cannon pinions contains:

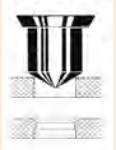
- 1 Jeweling tool
- 4 Stakes/anvils
- 1 Platform stake
- 15 Reamers with spindle
- 1 Bush for nut
- 1 Bakelite base

Stock #	Description
BG30300R	Basic Set

Jeweling Tool Uses

Use a flat pusher to drive lower flat jewels or endstones flush with the plate.

Use a concave pusher with centering pump to drive and lower balance jewels, flat jewels.



Reduce the hole size to create tighter jewel fitting.

Reduce the hole size of an hour hand.

Seitz Jeweling Tool Set - Large

The larger complete set also includes these items:

- 4 Hour hand hole reducing tools
- 4 Tools for reducing holes in plates
- 3 Tools for setting levers
- 12 Pump pushers
- 11 Concave pushers
- 1 Micrometer needle with stake
- 1 Pusher and stake for lantering cannon pinion pins

Stock #	Description
BG30300	Larger Set

Incabloc Punches and Stakes

Set of six pushers sizes 1.57, 1.87, 2.07, 2.47, 2.97, 3.47mm and seven anvils sizes 1.65, 2.00, 2.30, 2.50, 3.00, 3.50, 4.00mm. Especially for the different dimensions of the Incabloc® shock absorber. Illustrated table indicates the procedure for each type of block.

Stock #	Description
SS118.506	Incabloc Punch Set

Bergeon Electric Heater & Pallet Warmer

Electric heater with adjustable or fixed temperature control for escapement fitting is used for heating orange flake shellac to adjust or fit pallet jewels. Also use for adjusting lifts, preparing gaskets for fitting of mineral crystals and drying.

Stock #	Description
BG2229-03	Escapement Tester
BG30460/VAR110	Variable Temperature - 0-160°C
BG30460	Fixed Temperature - 80-90°C

Watch Hotplate

Maintains consistent, repeatable temperature settings. Temperatures adjustable in 5°C increments.

- Loosen glued crystals in a few minutes
- Heat solution to dissolve out steel screws
- Heat escapement testers

Stock #	Description
TS-HOTPLATE	Watch Hotplate

Gauge for Measuring Holes

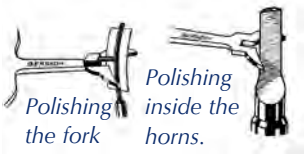
Measure jewel hole diameters. Capacity .3 to 3mm. Accurate to .02mm.

Stock #	Description
BG5292A	Hole Gauge

Pallet Fork Holder

Hold pallets when replacing/refinishing stones or arbors. Prevents loss of parts or inaccurate settings. 100mm.

Stock #	Description
BG30433	Pallet Fork Holder



Polishing the fork notch. *Polishing inside the horns.*

Pallet Fork Burnisher

Stock #
BG4847

Orange Flake Shellac

Melts easily. Holds small items like bracelets, pins and earrings while being engraved, chased, set or finished. Excellent for holding stones on dop stick or use to cement jewels to pallet forks.

Stock #	Description
CE409	Shellac Can, 6 oz.
CE409/1	Shellac Bag, 1 oz.

Jeweling and Staking Sets

Bergeon Deluxe Staking Tool Set

A metal plate identifies each punch location. Includes special attachment base BG5285-S which allows punches to be used as stumps. Each set is organized in a wooden box.

Stock #	Description
BG5285D	120 Piece Staking Tool Set
BG5285A	25 Punches and 5 Stakes

Individual Stakes, Punches & Anvils

Type	Size	Stock #
Flat/Drilled	*	BG5285/#200-224
Flat/Un-Drilled	*	BG5285/#225-234
Concave/Drilled	*	BG5285/#235-247
Domed/Drilled	*	BG5285/#248-272
Domed/Un-Drilled	*	BG5285/#273-282
Screw Removing Punch	*	BG5285/#283-292
Centering Punch	*	BG5285/293
Triangular Punch	2mm	BG5285/294
Triangular Punch	4mm	BG5285/295
Chamfering Tool	1mm	BG5285/296
Chamfering Tool	2mm	BG5285/297
Chamfering Tool	3mm	BG5285/298
Chamfering Tool	4mm	BG5285/299

**Please state the mm size of point when ordering these by phone, fax or mail.*

Star Brand Premium Staking/Jeweling Set

Complete staking tool set and pedestal has a micrometer adjustment which enables the punches to be fitted instead of the stakes. Base has a micrometric height adjustment built-in. Includes 105 punches, 25 stakes, 12 pushers, 15 reamers, six pump pushers, and two chamfering tools.

Stock #	Description
BG4765	Star Staking Set, #140.92

Anvil and Pusher Set

Set of anvil and fork staff pusher.

Stock #
BG4765/Size

Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

Dazor® 2 and 3-Bulb Daylite Fluorescent Benchlight

Dazor manufactures this three-tube 15-watt fluorescent lamp with a 43" reach. A gentle touch is all that is needed to raise and lower this lamp. No exposed springs or wires. Use clamps or mount on your bench. Bulbs included. Made in the USA.

Stock #	No. Bulbs	Description
LM901	2	Dove Gray
LM903	3	Dove Gray
LM904	3	Black
LM793		Replacement Bulb
LM8BL100		Starter Ballast

55 Watt Task Lamp

Lamp has a full spectrum bulb rated 6500° K and can be screwed or clamped in place.

Stock #	Description
LM155	Full Spectrum Lamp

German Waldmann Bench Light

This top-quality German task light fits into the bench mount and reaches 35". Louvers direct the light for glare-free lighting from a 36-watt compact full spectrum bulb.

Stock #	Description
LM90136	Waldmann Lamp

Dazor® 3-Bulb Daylite Fluorescent Desk Light

Designed with a weighted base for situations where clamping is not possible. Otherwise, this 3-bulb lamp with a 27" arm lamp has all of the features of the Dazor clamp-on model. Made in the USA.

Stock #	Description
LM907	Dove Grey Daylight Desk Lamp
LM908	Black Daylight Desk Lamp
LM793	15W Daylight Bulb
LM8BL100	Starter Ballast

Bench Lighting

Reliable Uberlight

Clamp or screw this LED lamp to your bench. Clamp is 1¾". 28 LEDs, 60,000 hour life expectancy. One year warranty.

Stock #	Description
LM8000C	Clamp-on LED light

Dual Purpose 5X Magnifying Lamp

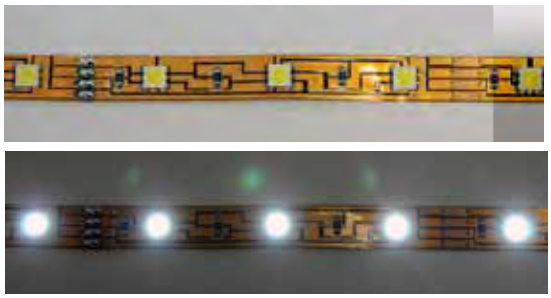
A cool-white circular bulb, 5X magnifier, and flexible gooseneck on a heavy base make this an ideal lamp for easy work with small parts. Use this handy, compact sized lamp as a magnifying lamp with the cover up or as a desk lamp with the cover down.

Stock #	Description
LM120.00	Lamp with Magnifier

Folding Lamp

13W daylight bulb and pure white reflector.

Stock #	Description
LM150.00	Daylight lamp



LED Lights

Use connecting cables in and between cases to string the lights from 20 inches to 150 feet. These white LED bulbs have an average of 40,000-hour lifte span.

Stock #	Description
LM-LED20W	20″ LED Strip Lighting
LM-LED46W	46″ LED Strip Lighting
LM-LED68W	68″ LED Strip Lighting
LM-LED-TRANS/SMALL	Transformer powers up to 55″ of Lights
LM-LED-TRANS/LARGE	Transformer powers up to 18′ of Lights
LM-LED-CABLE-2	2′ Cable Connects Strip to Strip
LM-LED-CABLE-4	4′ Cable Connects Strip to Strip
LM-LED-CABLE-6	6′ Cable Connects Strip to Strip
LM-LED-CABLE-20	20′ Cable Connects Strip to Strip
LM-LED-CABLE-2DC	2′ Cable Connects Tranformer to Lights
LM-LED-CABLE-4DC	4′ Cable Connects Tranformer to Lights
LM-LED-CABLE-6DC	6′ Cable Connects Tranformer to Lights
LM-LED-CABLE-20DC	20′ Cable Connects Tranformer to Lights
LM-LED-CONNECTOR	Male Pins, Connects Strip to Strip

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Micro Lathe

Assembled precision lathe is shipped with a complete set of accessories. One-year warranty on parts and labor.

Includes:

- Factory-assembled unit with tool post 15" bed
- Overall working accuracy .0005"
- Drilling tailstock and lever, dead center for drill chuck
- Motor 1/4 HP 1725 rpm, 115V motor
- Set of two 6-step pulleys with a 3M 500 belt
- Three-jaw 3 1/4" diameter steel chuck
- Centering scroll chuck with reversible soft jaws
- 3/4" 16-thread for the head stock
- 3/8" 24-thread for the tailstock
- Jacobs chuck 0-1/4" commercial quality
- 6-piece tool bit set, high speed steel left and right, round nose, boring bar cut-off and 45° chamfer
- Grinding wheel set. arbor screws directly on spindle
- Drill chuck arbor that attaches drill chuck to head stock

Stock #	Description
LA141.100	Precision Micro Lathe

Pivot Lathe

High-quality nickel-plated brass frame has adjusting screw and pivot gauge with a driving pulley, moveable fork and a disc with interchangeable notches and lanterns. Includes four broaches, 36 notches, 72 lanterns in a carrying case.

Stock #
BG1239-108-118

Vector Lathe

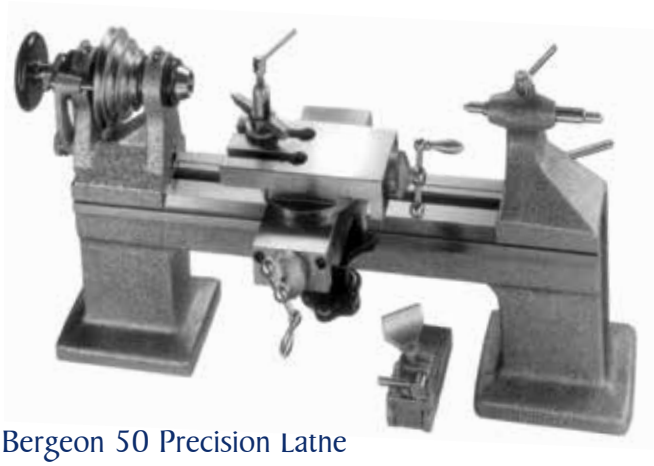
High-quality lathe is designed for watch repair. All accessories are organized in a wooden box. Includes set of standard 8mm WW chucks. Made in Germany.

Stock #	Description
LA322210	Vector Lathe

Bergeon Watchmaker's Lathe

Lathe uses standard 8mm WW chucks. Enamel finish.

Stock #	Description
BG1766D	Lathe with T-rest



Bergeon 50 Precision Lathe

Modern design for watchmakers and clockmakers. Uses standard 8mm WW chucks. 50mm high.

Stock #	Description
BG5412	Lathe, As Shown
BG5412/1246	Without Compound Slide Rest
BG5412-07	Compound Slide Rest Only

Watchmakers Lathe Mount

Borel EXCLUSIVE USA Made

Replace the lathe foot on the standard Boley-type watchmakers lathe and provide a sturdy portable base for lathe and motor together. Includes rubber feet, lathe belting, and rubber motor mounting pad. Cast aluminum. Made in the USA.

Stock #	Description
LA850	Lathe Mount

Red Lathe Belting

Connect lathe motor with lathe headstock pulley. Heat a spatula, touch both ends of belting to the spatula and slide the belting off, connecting each end.

Stock #	Description
BE102	2mm, 3 Foot Section
BE103	3mm, 3 Foot Section
BE104	4mm, 3 Foot Section
BE105	5mm, 3 Foot Section

Pivot Lathe & Pivot Resetting Tool Bow

Use pivot polisher bow to operate both pivot lathe and pivot resetting tool.

Stock #	Description
BG2045	Bow Only
BG1557	Bow Hairs, Package of 10

Standard 8mm WW Lathe Chucks

Lathe chucks have hole sizes from .5 to 8.0mm, with smaller hole sizes available. Made in the USA.

Stock #	mm	Stock #	mm	Stock #	mm
LA725/6	.6	LA725/31	3.1	LA725/56	5.6
LA725/7	.7	LA725/32	3.2	LA725/57	5.7
LA725/8	.8	LA725/33	3.3	LA725/58	5.8
LA725/9	.9	LA725/34	3.4	LA725/59	5.9
LA725/10	1.0	LA725/35	3.5	LA725/60	6.0
LA725/11	1.1	LA725/36	3.6	LA725/61	6.1
LA725/12	1.2	LA725/37	3.7	LA725/62	6.2
LA725/13	1.3	LA725/38	3.8	LA725/63	6.3
LA725/14	1.4	LA725/39	3.9	LA725/64	6.4
LA725/15	1.5	LA725/40	4.0	LA725/65	6.5
LA725/16	1.6	LA725/41	4.1	LA725/66	6.6
LA725/17	1.7	LA725/42	4.2	LA725/67	6.7
LA725/18	1.8	LA725/43	4.3	LA725/68	6.8
LA725/19	1.9	LA725/44	4.4	LA725/69	6.9
LA725/20	2.0	LA725/45	4.5	LA725/70	7.0
LA725/21	2.1	LA725/46	4.6	LA725/71	7.1
LA725/22	2.2	LA725/47	4.7	LA725/72	7.2
LA725/23	2.3	LA725/48	4.8	LA725/73	7.3
LA725/24	2.4	LA725/49	4.9	LA725/74	7.4
LA725/25	2.5	LA725/50	5.0	LA725/75	7.5
LA725/26	2.6	LA725/51	5.1	LA725/76	7.6
LA725/27	2.7	LA725/52	5.2	LA725/77	7.7
LA725/28	2.8	LA725/53	5.3	LA725/78	7.8
LA725/29	2.9	LA725/54	5.4	LA725/79	7.9
LA725/30	2.0	LA725/55	5.5	LA725/80	8.0
LA725/0620		Chuck Assortment, .6-2.00mm			

Bergeon WW Chuck Assortment

Twenty Bergeon WW chucks in a wooden base, 8mm diameter shank. Use with lathes from Bergeon, Boley, Favorite, Leinen, Schaublen, Star, etc. Includes sizes: 0.5, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.2, 2.5, 2.8, 3.0, 3.2, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0.

Stock #	Description
BG1766-21A	20 Chucks

Synta-Lube (Rolex 2900)

General purpose synthetic oil. OL9010 is previously OL125 Longines. OL9014 is thinner than OL9010.

Stock #	Size
OL9010 (OL216)	2cc
OL9010/10	10cc
OL9014	2cc

Oil For Escapements (Rolex 2901)

Manufactured for use on pallets. Higher degree of oiliness than usual synthetics.

Stock #	Size
OL941 (OL233)	2cc

Fixodrop Epilame

Use Moebius Fixodrop as a surface treatment on pallets and escape wheels. Prevents oil from spreading to unwanted areas. Ready-to-use.

Stock #	Size
OL8941/100	100ml
OL8941/250	250ml

Natural Mainspring Lubricant

Use this oil in watches 9¾ - 19 lignes and for alarm, pendulum and wall clocks. OL8201 is designed specifically to lubricate automatic mainsprings to ensure proper functioning of the bridle. 20cc.

Stock #	Size
OL8201 (OL207, MR-1)	20cc

KT-22 (RLX-MR-2) Micro-lubricant/ Sealer

Lubricate and seal screw-back cases, stems and drive trains. Does not break down, migrate or bleed.

Stock #	Description
OL300	Micro-lubricant

Fomblin Grease (Rolex 2916)

Homogenous white grease for O-rings, flat gaskets and lubrication of mechanical parts used in temperatures from -30 - +150°C. Use on parts subject to friction when mineral and standard synthetic lubricants break down due to temperature changes and exposure to air. Does not deteriorate gasket material. Packed by weight, not by volume.

Stock #	Description
OL118.590	Fomblin 10 Grams
BG6945-100	Fomblin 100 Grams

Microgliss D Series Lubricant (Rolex 2914)

Natural molybdenum based, thick high pressure resistant grease. 20cc.

Stock #	Size
OL5900-D5 (5900-D5)	20cc

Synthetic Grease #9501 (Rolex 2913)

Dark blue synthetic grease from Moebius is for slow moving, time setting steel frictions. ETA recommended.

Stock #	Description
OL9501	10cc Syringe

Synthetic Grease (Rolex 2911)

Lubrifar all-purpose synthetic grease used on watches, clocks, pallets and escapements. 2ml.

Stock #	Size
OL9415 (OL227)	2ml

Moly Olyt 778 Grease (Rolex 2904)

Mainspring lubricant. 120 grams.

Stock #	Description
BG5848	Moly Olyt Grease

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Ergonomic Oilers

Cut tip holds a precise amount of oil. Apply a mere half-drop using these electro-polished, high precision, stainless steel needles. Synthetic handles are color-coded, ergonomic and anti-static. Set of four oilers (BG7013-4) includes red, blue, green and yellow.

Stock #	Diameter	Color
BG7013N	0.18	Black
BG7013R	0.18	Red
BG7013B	0.24	Blue
BG7013V	0.32	Green
BG7013J	0.45	Yellow
BG7013-4	Set of Four Oilers	

Oiler Set Filler

Hypo-syringe type applicator to insert oil into OL375B oilers.

Stock #	Description
OL42.110	Oiler Set Filler

Bergeon Automatic Oiler Stand

Heavy bases are specifically designed for holding automatic oilers. Swiss.

Stock #	Description
BG2847	Stand for BG2718, 2719 & 2720

Swiss Flat-Tipped Oilers

Economic oilers with non-roll, color-coded handles. Carefully formed, metal size-graduated flat tips make this a popular set.

Stock #	Color	Size
BG30102N	Black Plastic	Small
BG30102A	Red Plastic	Small
BG30102B	Blue Plastic	Medium
BG30102C	Green Plastic	Large
BG30102D	Yellow Plastic	Very Large

Bergeon Automatic Oiler Assortment

Stock #	Description
BG30102/ASST	Set of 5

Swiss Metal Pear-Tipped Oilers

Stock #	Color	Size
OL350	Black Metal	Extra Small
OL351	Red Metal	Small
OL352	Blue Metal	Medium
OL353	Green Metal	Large
OL353Y	Yellow Metal	Very Large
OL354B	Set of 5	

Yellow Oil Inserter

Inserter with one tip for forcing oil into jewels.

Stock #	Description
OL42.280	Oil Inserter
OL42.284	Tips Only

Bergeon Automatic Oiler #1A

Deposits measured amounts of oil. Adjustable flow. Made for lubricating shock settings and balance bearings of all kinds without removing the cap jewel.

Stock #	Description
BG2718-1A	#1A Automatic Oiler
BG2718P	Tip Only
BG2718DR	Reservoir & Tube Only

Bergeon Automatic Oiler #5

Drop injection oiler for train wheel pivots, cup bearings, or where the oiler has to be positioned before depositing oil.

Stock #	Description
BG2720-5	#5 Automatic Oiler
BG2720P	Tip Only
BG2718DR	Reservoir & Tube, Replaces 2720DR

Bergeon Automatic Oiler #15

Applies a small drop 1 - 2.5mm.

Stock #	Description
BG4744/15	Automatic Oiler
BG4744P	Tip Only
BG4744DR	Reservoir and Tube Only

Bergeon Oil & Screwdriver Organizer

Oil-and-Clean base includes five BG6899 stainless steel screwdrivers with elastomer membrane, five BG7013 oilers, five agate oil cups and synthetic dust-free cleaner sponge block. Tool positions are adjustable.

Stock #	Description
BG7011	Organizer with Tools
BG7011BM	Synthetic Cleaner Sponge Block

Bergeon Automatic Oiler #2A

Drop deposit oiler for pallets, mechanical parts and other hard-to-reach places. Adjustable flow, for use whenever a certain amount of oil is required. Drop size .3 -1mm.

Stock #	Description
BG2719-2A	#2A Automatic Oiler
BG2719P	Tip Only
BG2719DR	Reservoir & Tube Only

Bergeon Automatic Oiler #12

Drop deposit oiler for pallets, mechanical parts and spots that are difficult to reach. May also be used with fluid fats. Drop size 1 -2.5mm.

Stock #	Description
BG4743/12	#12 Automatic Oiler
BG4743P	Tip Only
BG4743DR	Reservoir & Tube Only

Micro Capillary Oiler

Use on train wheels pivots. Inside hole diameter .005". Limited quantities.

Stock #	Size	Identifying Color
OL375RED	.005" Capillary Oiler	Red

Glass Fountain Oilers

Release a small amount of oil to staff pivots, pinions or jewels using this hollow glass tube for oil mounted on ahead containing a fine needle.

Stock #	Size	Identifying Color
OL358	.010" - Bracelet Watches	#25 Red
OL359	.013" - Pocket Watches	#23 Blue

Winding Stem Oiler

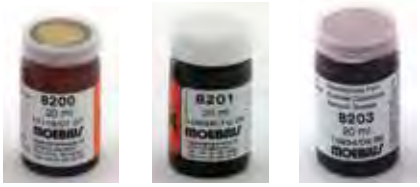
Apply grease to a winding stem quickly and completely without getting hands greasy.

Stock #	Description
BG2678	Stem Oiler
BG2678A	Refill Cushion

SYNT-HP Lubricant

For gear-train, barrel-arbor, winding mechanism and mainspring. Synthetic. 20ml.

2mm Bottle	20mm Bottle	Product Code
OL-HP500/2	OL-HP500	9101
OL-HP750/2	OL-HP750	9102
OL-HP1000/2	OL-HP1000	9103
OL-HP1300/2	OL-HP1300	9104



Natural Mainspring Lubricant

Use these oils in watches 9¾ - 19 lignes and for alarm, pendulum and wall clocks. OL8203 is thinner than OL8200. OL8201 is designed specifically to lubricate automatic mainsprings to ensure proper functioning of the bridle. 20ml.

Stock #
OL8200
OL8203
OL8201 (MR-1)

Microgliss D Series Lubricant (Rolex 2914)

Natural molybdenum based, thick high pressure resistant grease. D2-D5 varies in viscosity index. 20ml.

Stock #
OL5900-D2
OL5900-D3
OL5900-D4
OL5900-D5

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Glissalube Mainspring Lubricant Natural

Glissalube A, OL8213 is for brass barrels, strong braking. Glissalube B, OL8212 is for alloy, aluminum and nickel plated barrels, weak braking. 20ml.

Stock #	Description
OL8213	Glissalube A
OL8212	Glissalube B

Jismaa 124 Lubricants

Special synthetic grease and entirely mineral lubricant recommended by Ebauches SA and Swiss Horological Research Laboratory. Excellent quality suitable for high friction points over a wide temperature range. 7g.

Stock #	Description
OL6441E	Blue, Carbon Alloys
OL6441D	Green, Brass/Copper Alloys

Chronograese

Control the slipping of the mainspring bridle on the inner wall of automatic movement barrels. 5g.

Stock #	Description
OL-P125	Chronograese

Synthetic Grease #9501 (Rolex 2913)

Dark blue synthetic grease from Moebius is for slow moving, time setting steel frictions. ETA recommended.

Stock #	Description
OL9501	10cc Syringe

Synthetic Grease (Rolex 2911)

Lubrifar all-purpose synthetic grease used on watches, clocks, pallets and escapements.

Stock #	Size
OL9415	2ml
OL9415/10	10ml

Fomblin Grease (Rolex 2916)

Grease for O-rings, flat gaskets and lubrication of mechanical parts used in temperatures from -30 - +150°C. Use on parts subject to friction when mineral and standard synthetic lubricants break down due to temperature changes and exposure to air. Does not deteriorate gasket material.

Stock #	Description
OL118.590	Fomblin 10 Grams

Silicone Gasket Lubricator

Silicone sponges attached inside are saturated with silicone sealant grease to apply just the right amount of lubricant. Silicone grease is water repellent and keeps gaskets lubricated and flexible for a longer-lasting seal.

Stock #	Description
OL348	Gasket Lubricator
OL348/NS	Black Cup without Silicone

Moly Olyt 778 Grease (Rolex 2904)

Mainspring lubricant.

Stock #	Description
BG5848	Moly Olyt Grease

Silicone Grease in a Syringe

Easy-to-use syringe contains five grams of silicone grease.

Stock #	Description
OL747	Standard # 747, Refill for OL348
OL749	Vacuum # 967V
OL748	Heavy Duty # 111

KT-22 Micro-lubricant/Sealer (Rolex MR-2)

Lubricate and seal screw-back cases, stems and drive trains. Does not break down, migrate or bleed.

Stock #	Description
OL300	KT-22 Small Jar
OL325	KT-22 in Syringe Applicator

Silcon 7 Case Sealer

Apply to gaskets before sealing case.

Stock #	Description
OL340A	Silicon 7

Molykote DX Grease

Lubrication of metal components for certain calibers. ETA recommended.

Stock #	Description
OL-MOLYKOTE	50 Gram Tube

Watch Oils

Synta-Lube (Rolex 2900)

General purpose synthetic oil. OL9010 is previously LO125 Longines. OL9014 is thinner than OL9010.

Stock #	Size
OL9010	2cc
OL9010/5	5ml
OL9010/10	10cc
OL9014	2cc

Synthetic Quartz Watch Oil

Red tinted oil for quartz analog watches. Non-toxic, non-spreading, long-lasting, good viscosity. 2cc.

Stock #
OL9000

Synta-Visco-Lube

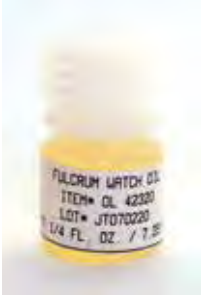
Use in slower moving parts and larger watch movements. Ideal for lubricating the pivot of staffs, oscillating weights and other parts of automatic watches. OL9024 lubricates plastics and polymers. 2cc

Stock #
OL9020
OL9024

Synta-Frigo-Lube

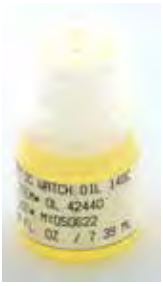
Lubricate movements exposed to the temperatures as low as -40°C. OL9034 for plastics. 2cc.

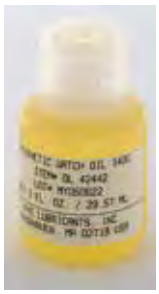
Stock #
OL9030
OL9034



Fulcrum Natural Oil

Stock #	Description
OL42.320	Watch ¼ oz
OL42.322	Bracelet Watch ⅛ oz





NYE® Synthetic Watch Oil

Stock #	Size
OL42.440	Watch Oil ¼ oz
OL42.442	Watch Oil 1oz
OL42.446	Watch Oil 4oz

Classical Watch Oil

General purpose for chronometers and wrist watches, all calibers up to 13L. Combines outstanding lubrication with very little spreading and a low freezing point.

Stock #	Size
OL8000	10ml
OL8000/4	4ml

Oil For Escapements (Rolex 2901)

Manufactured for use on pallets. Higher degree of oiliness than usual synthetics. 2cc.

Stock #
OL941

Kroil Lubricant

Must-have solvent, loosens stuck metal parts, lubricates air-driven tools and dissolves and prevents rust. It is also useful for cleaning gummed oil and grease.

Stock #	Description
CL347	8oz Kroil

3-Well Oil Cup

Plastic with three wells of different sizes. 45mm diameter.

Stock #
OL273

Moebius Clock Oil

Use on clocks and meters not directly exposed to winter temperatures.

Stock #	Description
OL8030	20ml

Moebius Clock Oil

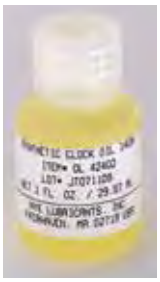
Same uses and qualities as OL8030 but for units exposed to very low temperatures.

Stock #	Description
OL8031	20ml

Moebius Clock Oil

For large clocks, tower clocks and small machines. Has a high viscosity suitable for large mechanisms. Can be used in temperatures as low as -20° C.

Stock #	Description
OL8040	20ml



NYE® Synthetic Clock Oil

Stock #	Description
OL42.402	1oz

NYE® Synthetic Clock Oil

Stock #	Description
OL42.406	4oz

NYE® Synthetic Watch and Clock Oil

Previously PML-80 and PML163.

Stock #	Description
OL42.470	3.5ml

Pocket Oiler

Squeeze this great pocket oiler and get the right amount of lightweight oil with rust inhibitors.

Stock #	Description
OL355.00	Oiler
OL358.99	Spout Extension

Etsyntha Clock Oil

Synthetic oil, inch long applicator.

Stock #	Description
OL859	4ml

NYE® Nyoil

General purpose oil is a cleaner, polisher, lubricant and rust preventer.

Stock #	Description
OL42.460	4oz

The Practical Guide to Modern Watch Oiling

Informative 20-page booklet on mechanical watch oiling and lubrication. By Stan McMahan.

Stock #
BK-OILING

Oil Cups

Bergeon Oil Cup Stand

Stand has three agate oil cups, well sizes 6, 8, 9mm, one grease cup 10mm and a sturdy metal base. Swiss.

Stock #	Description
BG30180A	Stand of 4 Oil Cups

Bergeon Oil Cups

Oil cups are six different colors to match the colors of the dip oilers #BG30102. Overall diameter is 34mm. 17mm tinted glass oil wells.

Stock #	Description	Well Size
BG6885-R	Red	6mm
BG6885-B	Blue	8mm
BG6885-V	Green	10mm
BG6885-J	Yellow	12mm
BG6885-G	Gray	12mm
BG6885-N	Black	12mm

Fixodrop Epilame

Use Fixodrop as a surface treatment on pallets and escape wheels. Prevents oil from spreading to unwanted areas. Ready-to-use. Swiss.

Stock #	Size
OL8941/100	100ml
OL8941/250	250ml

Zenith Epi-Kote

Use Ei-Kote surface treatment on pallets and escape wheels. Prevents oil from spreading to unwanted areas. Ready-to-use. Made in the USA.

Stock #	Size
OL8940/30	30ml
OL8940/50	50ml
OL8940/100	100ml

Bergeon Dip Oiler Stand

Oiler stand with four dip oilers and four pith cleaning stations. Heavy metal base. Swiss.

Stock #	Description
BG30226A	Oiler Stand

Automatic Oil Cup Set

Organized set has five color-coded oilers with agate oil wells and pith block holders, plus self-opening and closing lids. The first four cups are agate. The white section has a metal cup for grease. Sections can be separated.

Stock #	Description
BG2329	Set of 5 Auto-Open Cups

Glass Cleaning Cup

Ground glass cups for holding Fixodrop and other volatile liquids. Swiss.

Stock #	Size
BG5445A	35mm with Glass Handle

Meiji Zoom Gem Scope

This Meiji high quality microscope includes everything you need to use as a gem scope including a .50X auxiliary lenses for use as a setter's scope. Remove the optical head from this scope and use it with the GRS Acrobat for diamond setting. The Meiji microscope features an iris-style dark-field with illumination below and a fluorescent illuminator from above and 7X to 45X stereo zoom body. Tweezers and an inclusion pointer are included. Japanese.

Stock #	Description
EL129.44	Meiji Zoom

Acrobat Microscope Kits

Use this stand to move and position your microscope with the touch of a finger. The headrest helps reduce back and neck strain. The microscope head has 7X to 45X magnification and comes with a pair of 10X eyepieces. A .5X reducing auxiliary lens gives you 6½" working distance. Fits lens rings from 70-80mm diameter. Meiji scope is made in Japan. Standard scope is made in China.

Stock #	Description
EL129.900	Scope, Acrobat, Fluorescent Light Ring
EL129.902	Scope, Acrobat, LED Light Ring
EL129.420	Meiji Scope, Acrobat, Fluorescent Light Ring
EL129.422	Meiji Scope, Acrobat, LED Light Ring

Optional EL1554

Watchmakers' and Jewelers' Microscope

- Clear Japanese optics
- Power 10X/30X
- Optional optic tubes for 15X/45X
- Tungsten-Halogen lower and upper lighting
- Black, white or frosted translucent platform
- Warranty: 5 year mechanical, 2 year electrical
- Comfort eye guards
- Stone holding clip
- Dust cover
- View escapements and Chronograph details

Stock #	Description
EL1030	Watchmakers' Microscope
EL1554	Optional Eyepiece, 15X/45X

EL129.001

EL129.934

Scope Light Rings

EL129.001	Fluorescent Microscope Light Ring
EL129.934	Optional LED Full Spectrum Light Ring, 64 Bulbs

Individual Parts

EL129.005	Optional .75x Lens 4¼", Work Distance for People Under 5'6"
EL129.922	Rubber Eye Cups, Pair
EL129.004	Fluorescent Light Bulb

For Dino-lite Scope, DL-AMA413ZT, see page 244.

Triplet Loupes

Loupes are indispensible for gemstone inspection and grading. Color-corrected loupes have three-piece precision bonded lenses that are achromatic and aplanatic for distortion-free viewing. Available in lens sizes 18mm, 20.5mm and 21mm. Round or hex shapes.

All Metal, 18mm, 10X, Triplet Loupe

Stock #	Description
EL961	Black with Leather Case
EL963	Chrome with Leather Case
EL965	Gold Tone with Leather Case

Non-Slip Rubber Grip, 18mm, 10X, Triplet Loupe

Stock #	Description
EL961/R	Black/Black with Leather Case
EL963/R	Chrome/Black with Leather Case
EL965/R	Gold Tone/Black with Leather Case

Non-Slip Rubber Grip, 21mm, 10X, Triplet Loupe

Stock #	Description
EL961/21R	Black/Black with Leather Case
EL963/21R	Chrome/Black with Leather Case
EL965/21R	Gold Tone/Black with Leather Case

Economy, 18mm, 10X, Triplet Loupe

Stock #	Description
EL744.01	Black
EL744.03	Chrome

Triplet, 20.5mm, 15X, Hexagonal Loupe

Powerful 15X loupe has a chrome and black housing.

Stock #	Description
EL758.00	Chrome/Black with Leather Case

Aluminum Loupe, 10X

Inexpensive loupe is great for giveaways. Plastic lens frame and aluminum housing.

Stock #	Description
EL742.00	Aluminum Loupe

LUMIgauge, 8x Loupe

The LUMIgauge features a built-in light and a built-in precision 10mm measuring gauge.

Stock #	Description
EL4655	LUMIgauge

Lighted Loupe, 10X

Loupe has LED light for clearer viewing. 21mm lens, includes carrying case and batteries.

Stock #	Description
EL4650	Lighted Loupe

Bausch & Lomb Hastings Triplet Magnifiers

Hastings triplet magnifiers incorporate three separate glass lenses which are bonded together to form a compound lens. Provides sharp, very distinct magnified images without distortion even under 14 and 20 power magnification. A swing-away, nickel-plated case protects the lens and serves as a handle.

Stock #	Focus	Lens Diameter	Power
EL828	1½″	19.8mm	7X
EL829	1″	15.8mm	10X
EL830	¾″	12.5mm	14X
EL831	½″	8.3mm	20X

Bausch & Lomb Coddington Loupes

Correction in the Coddington magnifiers is achieved through the use of single thick glass lens with a central groove diaphragm. This provides for sharp, crisp images. With swing-away, nickel-plated case.

Stock #	Focus	Lens Diameter	Power
EL835	1″	19.8mm	10X
EL836	¾″	15.8mm	14X
EL837	½″	12.5mm	20X

Bausch & Lomb Folding Magnifiers

Folding pocket magnifiers have two or three glass lenses providing varying magnification and focal lengths. By combining lenses, three different powers are available with the two-lens model and seven different powers with the three-lens model. Durable plastic swing-away case.

Stock #	Range	#Lens	Lens Power
EL754	3X–7X	2	3X, 4X
EL755	4X–9X	2	4X, 5X
EL756	5X–12X	2	5X, 12X
EL757	5X–20X	3	5X, 7X, 9X

Bausch & Lomb Illuminated Magnifier Stand

Both the lens and the light of this versatile magnifier are adjustable. Use tilted, or with the lens parallel to the work surface, lay the object directly beneath the lens and it is in focus. The 2” x 4” acrylic lens uses a UL approved low-voltage wall transformer.

Stock #	Description
EL826	Illuminated Stand Magnifier

Lenspen Lens Cleaner

Safe for all lenses. Get 400-500 uses from this pen with its unique self-replenishing tip and convenient retractable dusting brush.

Stock #	Description
EL29.063	Lenspen

Binocular Magnifiers

Bausch & Lomb Magna Visor™

Extra soft padding lightweight acrylic lenses allow for a comfortable fit. Adjustable to all head sizes, may be worn over eyeglasses. Comes with all three lenses, 12" = 1.8X, 8" = 2.5X and 6" = 2.75X.

Stock #	Description
EL814200	Complete with 12″, 8″ and 6″ Lenses

Lighted Headband Magnifier

This comfortable headband magnifier with light offers the most versatility of any headband magnifier. Includes four clearly marked, snap on/off lens plates at 1.2X, 1.8X, 2.5X and 3.5X. The lamp is on a center positioned swivel and gives pinpoint lighting in hard-to-see situations. Requires two AAA batteries.

Stock #	Description
EL550.00	Lighted Headband Magnifier

Half-frame Telesight Magnifiers

Designed for those who do not wear glasses. High quality prismatic lenses in lightweight frames are attached to half-eyeglass frames. Front lenses flip up when not in use.

No.	Style	Distance	Power
EL643	43	14″	1.75X
EL644	44	11″	2.00X
EL645	45	9″	2.25X
EL646	46	7″	2.50X
EL648	48	5″	3.00X

Opticaid Magnifying Lenses

Lightweight hard-coated scratch-resistant acrylic lenses. Single lens eliminates center post. Clips on most frames. Flips up when not needed. Includes soft case.

Stock #	Working Distance	Power
EL1104	20″	1.50X
EL1100	14″	1.75X
EL1101	8″	2.25X
EL1102	6″	2.75X
EL1103	4″	3.50X

Portable Magnifier

With a wide 4" x 5" viewing area, this portable neck-hung 2X magnifier leaves both hands comfortably free. Crystal clear, non-distracting frame with stable footpads and adjustable neck cord holds the magnifier steadily in place. Great for bead stringing and wax carving.

Stock #	Description
EL560.02	Portable Magnifier

OptiVISOR™ LED Lights

Lightweight snap-on LED lights run for weeks on two AA batteries.

Stock #
EL558.00

OptiLOUPE Auxiliary Lens

Use to obtain extra 2.5X magnification power for monocular use. Attach over one eye of the optivisor and swing out like a spectacle loupe. Can be mounted on the left or right side.

Stock #	Power
EL891	OptiLoupe Accessory

OptiVISOR™ Information and Care

Focal Distance

Optical components are equally ground prismatic lenses and help the eyes converge at a given focal distance, depending on the lens plate being used. Each plate is marked with the diopter power of the lenses it carries. The list above designates the approximate focal length of the various lens plates.

Care

The lenses are ground from high quality optical glass and polished to ophthalmic standards. Keep the lenses clean by wiping with a clean soft cloth, lens-wiping tissue or washing with soap and water. Avoid rubbing or hitting them against abrasive surfaces. The headband may be cleaned with soap or detergent.

OptiVISOR™

OptiVISOR lenses are ground optical glass. The self-locking, dial-adjustable headband is comfortable and stable. Focus is the distance from the magnifier to the object.

Stock #	Focus	Power	Lens #
EL992	20″	1.50X	2
EL993	14″	1.75X	3
EL994	10″	2.00X	4
EL995	8″	2.50X	5
EL997	6″	2.75X	7
EL999	4″	3.50X	10

OptiVISOR™ Replacement Parts

Stock #	Item	Fits	Focus	Power
EL906	Lens Plate	EL992	20″	1.50X
EL907	Lens Plate	EL993	14″	1.75X
EL916	Lens Plate	EL994	10″	2.00X
EL908	Lens Plate	EL995	8″	2.50X
EL909	Lens Plate	EL997	6″	2.75X
EL910	Lens Plate	EL999	4″	3.50X
EL898	Adjustable Headband with Dial			
EL895	Complete Adjustable Frame, Without Lens			

Easy Eyes Head Magnifier

Lightweight magnifier has four magnifications in one. A flip-down inner lens and outer loupe allow for magnifications from 1.8X to 4.8X. Plastic lenses, adjustable Velcro strap.

Stock #	Description
EL550.40	Magnifier

Headband Loupes

Bergeon Loupe Headband

Adjustable metal loupe holders hold any watchmaker's loupe. The BG2405 features a swivel to let the loupe be angled to any position. Loupe not included.

Stock #	Description
BG2405	Flat Wire
BG5461	Round Wire

Bausch & Lomb Loupe Headband

Soft neoprene band holds loupe, leaving both hands free and taking the strain off the eye socket. Loupe not included.

Stock #	Description
EL817	Loupe Headband

Ary Swiss Spectacle Loupes

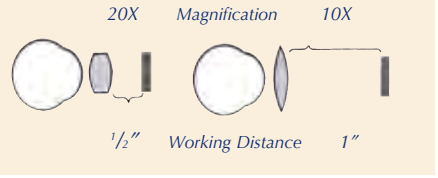
BG1492D

Quality loupe has fine optics to eliminate distracting side lights. Four rubber covered holding clamps bend to fit any frame. Exceptionally light. Stock number shown for right eye. For left eye, replace the D with a G in the stock number.

Stock #	Focus	Power
BG1492D/1	1″	10X
BG1492D/1.5	1.5″	7.0X
BG1492D/2	2″	5.0X
BG1492D/2.5	2.5″	4.0X
BG1492D/3	3″	3.3X
BG1492D/3.5	3.5″	3.0X
BG1492D/4	4″	2.5X

Stock #	Parts Description
BG1492AD	Replacement Spring, Right
BG1492AG	Replacement Spring, Left
BG1492L/1	Lens Only, 1″, 10X
BG1492L/Size	Lens Only, 1.5″ to 4″ (Specify Focus Distance)

Factors of Magnification



Focal Length

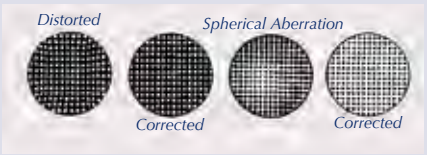
Focal length is the amount of working distance between the magnifier and the object. Working distance changes with the amount of power. For example, 2X at a working distance of 5″ means that the magnifier will provide double magnification and be in clear focus when held at a distance of 5″. When considering the amount of space between the object and the magnifier, the higher the power, the shorter the working distance.

Depth of Field

Depth of field is the distance that a magnifier can be moved from an object and still have the object in focus. The higher the power, the shorter the depth of field. With less depth of field, the areas in front and behind the focus will be blurred.

Corrective Magnifiers

Certain magnifiers have lens systems which correct optical distortion or aberration that might otherwise be present. With a distorted uncorrected lens, "straight lines" curve toward the center. With a chromatic and spherical aberration uncorrected lens, the size and shape differences occur in a pattern consisting of one size of dots.



Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Behr Spectacle Loupes

This popular spectacle loupe offers a wide range of magnifications for every purpose. Easy to install and remove from wire or plastic frames. Can be mounted left or right.

Single Lens

Stock #	Focus	Power
EL501	1″	10X
EL501-1/2	1½″	7.0X
EL502	2″	5.0X
EL502-1/2	2½″	4.0X
EL503	3″	3.3X
EL503-1/2	3½″	3.0X
EL504	4″	2.5X
EL505	5″	2.0X

Double Lens

Stock#	Focus	Power
EL600	2½″ & 1″	4X & 10X
EL601	2″ & 1″	5X & 10X
EL603	2½″ & 1½″	4X & 7X
EL604	2½″ & 2″	4X & 5X
EL605	3″ & 2″	3.3X & 5X
EL606	3½″ & 2″	3X & 5X
EL607	3½″ & 2½″	3X & 4X
EL608	1½″ & 1″	7X & 10X

Economy Plastic Eye Loupes

Stock #	Focus	Power
EL901	1″	10X
EL902	2″	5X
EL902-½	2½″	4X

Bausch & Lomb Spectacle Loupes

Loupe conveniently clamps to front lens section of your eyeglasses and swings out of the way when not in use.

Single Lens

Stock #	Focus	Power
EL4117	3½″	3x
EL4127	2½″	4x
EL4137	2″	5x
EL4147	1½″	7x

Double Lens

Stock#	Focus	Power
EL814178	2½″, 1½″	4x, 7x
EL814179	3½″ , 2″	3x, 5x

ASCO Loupe Clip

Loupe holder conveniently clips to your shirt or pant pocket, allowing you to carry an extra loupe. Resistant, plastic.

Stock #	Description
EL240	Plastic Loupe Clip

Donegan Behr-Style Spectacle Loupes

Swings out of the way when not in use. Several cams are provided to fit both wire and plastic frames of most any width. Mount right or left.

Stock#	Power
EL5010	Single Lens; 3.3X

Seitz Adjustable Loupe

This loupe has two lenses mounted in a strong black plastic frame. One lens is adjustable for extra fine clarity. Blue tinted lenses.

Stock #	Description
BG30654	Seitz 20X Loupe
BG30654A	Seitz 10X Loupe

Economy Aluminum Eye Loupes

This pocket-size piece has distortion-free lenses and black on the inside of the aluminum housing to eliminate glare.

Stock #	Focus	Power
EL205.10	1″	10X
EL205.20	2″	5X
EL205.25	2½″	4X

Eye Loupes

Bausch & Lomb Single Lens Loupe

Stock #	Focus	Power
EL801	1″	10X
EL801-1/2	1.5″	7.0X
EL802	2″	5.0X
EL802-1/2	2.5″	4.0X

Bausch & Lomb Watch Double Lens Loupe

Stock #	Focus	Power
EL807	1¼″, 9/16″	8X & 17X
EL818	2½″, 1¼″	4X & 8X

Bausch & Lomb 10X Triple Aplanatic Loupe

Three corrected lenses free of distortion and coma. With a very sharp focus over the entire field of view, the working distance is 1" and the shape tapers to 15.8mm.

Stock #	Description
EL821	Tapered Loupe

Aplanatic Loupes

Two clear lenses, 21mm diameter. Swiss.

Stock #	Description
BG4902/1	10X
BG4902/2	5X
BG4902/2.5	4X
BG4902/3	3.3X
BG4902/4	2.5X

ASCO APlanatic C2

Double Blue lens, 14mm diameter. Swiss.

Stock #	Power
EL152.10	10X
EL152.12	12X
EL152.20	20X

ASCO Loupe H

Black unbreakable frame. Duralumin ring has knurled metal screw-on lens rings. Blue 25mm diameter lens. Swiss.

Stock #	Focus	Power
EL150.10	1″	10X
EL150.15	1.5″	6.5X
EL150.20	2″	5X
EL150.25	2.5″	4X
EL150.30	3″	3.5X
EL150.35	3.5″	3X
EL150.40	4″	2.5X

12X Loupe

Two clear lenses, 11mm diameter. Swiss.

Stock #	Focus	Description
EL17613	7/8″	12X

ASCO Aplantic Loupe H2

Black unbreakable frame. Duralumin ring has knurled metal screw-on lens rings. Blue 25mm diameter lens. Swiss.

Stock #	Focus	Power
EL153.10	1″	10X
EL153.14	.75″	14X

ASCO Achromatic C3 Triple Lens

Black unbreakable frame. Duralumin ring. Monoblock lens. Corrected system with 3 very luminous bluished 14mm lenses. Large depth of field. Swiss.

Stock #	Focus	Description
EL154.10	1″	10X
EL154.12	7/8″	12X
EL154.20	½″	20X

Horotec Loupe

Single clear lens, 21mm diameter. Swiss.

Stock #	Description
EL-M016.10	10X
EL-M016.15	6.5X
EL-M016.20	5X
EL-M016.25	4X
EL-M016.30	3.5X
EL-M016.35	3X
EL-M016.40	2.5X

Bausch & Lomb Lenscope

Hand-held precision magnifier features interchangeable 7X or 10X Hastings triplet lenses, two angled illumination lamps – 45° or 90° for different viewing angles, and a protective storage case. Uses two AA batteries, not included. Lenscope viewers, shown at right, are not included.

Stock #	Description
EL832	10X Lenscope
EL833	7X Lenscope
EL833/1	10X Lens Only
EL833/5	7X Lens Only

Compact Lighted Magnifier

Pocket-sized illuminated magnifier uses a push button to release the large 2" acrylic lens and turn on the light. Ideal for reading assistance in low-light conditions. AAA batteries included.

Stock #	Description
EL9008	Compact Lighted Magnifier

Packette Magnifier 5x

Palm-sized magnifier is in a hard plastic cover which snaps open and clicks shut to protect the 5X aspheric acrylic lens. Focus is sharp and precise over the entire 2" viewing area.

Stock #	Description
EL3133	Hand Held Magnifier

Linen Tester Magnifier

The Linen Tester offers a strong 5X double acrylic lens and a fold-out stand with two scales in the base: 32nds of an inch and 20mm. Rigid plastic case included.

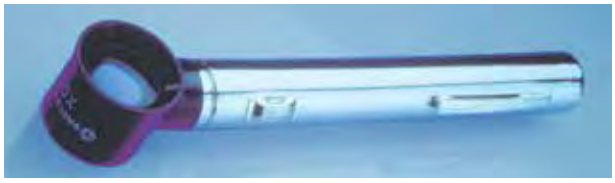
Stock #	Description
EL825	Linen Tester

EL833/4 - EL833/2 *EL833/3* *EL833/6*

Lenscope Viewers

Lenscope filters are available which allow you to measure or determine angles while using the B&L lenscope.

Stock #	Description
EL833/2	Viewer-Metric Millimeter (.1 divisions)
EL833/4	Viewer- Inches (.005 divisions)
EL833/3	Viewer-Protracter
EL833/6	Viewer-General Purpose



Bausch & Lomb Coddington Illuminated Magnifier

Normal 10X Coddington Loupe mounted to a handle which houses the batteries. A light shines through the lens illuminating the object being viewed. One-inch working distance. Uses two AA batteries, not included.

Stock #	Description
EL839	Illuminated Magnifier

Folding Lighted Magnifier 2x

Built-in light and 2X acrylic lens measuring 2" x 4" enables reading in low-light conditions. Unique folding handle swings in and out for convenient use and storage. Case and two AAA batteries are included.

Stock #	Description
EL9013	Lighted Magnifier

Magnifier Terms

Achromatic	*Corrects for chromatic aberration–practically free from prismatic colors*
Aplanatic	*Corrects for spherical aberration and coma*
Chromatic aberration	*Inability of a lens to focus light of different colors at a single point*
Coma	*The blurred appearance or hazy border surrounding an object viewed through the lens which is not free from spherical aberration*
Spherical aberration	*A defect in a lens causing variations in focus which reduces contrast*

Bergeon Clock Mainspring Winder

Set contains one varnished cast iron frame, two cranks, and eight arbors from 18-65mm in a wooden case. Winds right or left handed springs with safety and ease. Fits bench vise.

Stock #	Description
BG30076	Clock Spring Winder

Bergeon Clock Mainspring Winder

Wind hole-end clock mainsprings. Includes three different size hooked arbors for most springs. Four inches long, fits bench vise.

Stock #	Description
BG4126	Clock Spring Winder

Mainspring Barrel Closing Tool

Avoid distortion of the mainspring barrel with this barrel closing tool that applies even pressure.

Stock #	Description
RM820	Barrel Closing Tool

ETA Mainspring Winders

Made in Switzerland. Specifically produced to wind the mainsprings on the newer ETA calibers. Includes 12 winders and a handle in a fitted wooden case.

Stock #	Use For
BG2795-ETA	Winder Set

Individual Winders, Use Stock Numbers Below:

BG2729T/ETA-01	1727-7
BG2729T/ETA-02	2000-1, 2004-1, 2094
BG2729T/ETA-02G	2000-1, 2004-1, 2094 Left Handed Winder
BG2729T/ETA-03	2660, 2671, 2678, 2688
BG2729T/ETA-04	2801-2, 2804-2
BG2729T/ETA-05	2824-2, 2834-2, 2836-2
BG2729T/ETA-06	2846-2
BG2729T/ETA-07	2892A2, 2893-1-2-3, 2894-2, 2895-2, 2896, 2897
BG2729T/ETA-08	7001
BG2729T/ETA-09	7750, 7751, 7753, 7754
BG2729T/ETA-10	7760, 7765
BG2729T/ETA-11	6497-1, 6498-1
BG2729T/ETA-12	6497-2, 6498-2

Mainspring Barrel Arbor Holder

Hold hard-to-handle wheels, springs and screws.

Stock #/Size(mm)		
BG30610/0.75	BG30610/1.25	BG30610/2.00
BG30610/0.90	BG30610/1.45	BG30610/2.30
BG30610/1.00	BG30610/1.50	BG30610/2.50
BG30610/1.10	BG30610/1.75	

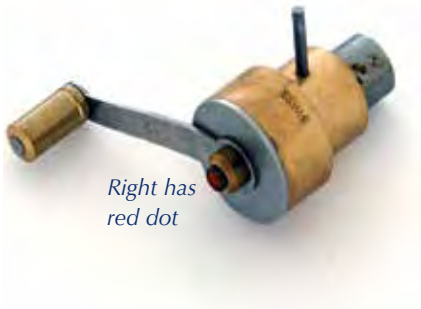
Bergeon Watch Mainspring Winders Sets

Right-hand Bergeon mainspring winders and handle in a wooden box. The larger set includes additional winders, one smaller and nine larger. Swiss.

Stock #	Description
BG2729	7 Winders Right, #0 - 6
BG2795	17 Winders Right, #00 - 15
BG5355	14 Winders,1 Each Right & Left, #0-6
BG5356	17 Winder Right and 17 Arbors Left, #0-15, Two Handles
BG2795-ETA	12 Winders for New ETA Calibers 2892, 2801, 7750, 6498, etc.

Individual Drums with Arbor

No.	Winder Outside Dia.	Fits Barrel Inside Dia.	Stock# Right Hand #	Stock# Left Hand #
0000	4.6mm	4.7mm	BG2729T/0000	BG2729TG/0000
000	4.9mm	5.0mm	BG2729T/000	BG2729TG/000
00	5.3mm	5.4mm	BG2729T/00	BG2729TG/00
0	5.6mm	5.7mm	BG2729T/0	BG2729TG/0
1	6.0mm	6.1mm	BG2729T/1	BG2729TG/1
2	6.5mm	6.6mm	BG2729T/2	BG2729TG/2
3	7.1mm	7.2mm	BG2729T/3	BG2729TG/3
4	7.8mm	7.9mm	BG2729T/4	BG2729TG/4
5	8.6mm	8.7mm	BG2729T/5	BG2729TG/5
6	9.8mm	9.9mm	BG2729T/6	BG2729TG/6
7	10.8mm	10.9mm	BG2729T/7	BG2729TG/7
8	12.0mm	12.1mm	BG2729T/8	BG2729TG/8
9	13.0mm	13.1mm	BG2729T/9	BG2729TG/9
10	14.0mm	14.1mm	BG2729T/10	BG2729TG/10
11	15.0mm	15.1mm	BG2729T/11	BG2729TG/11
12	16.0mm	16.1mm	BG2729T/12	BG2729TG/12
13	17.0mm	17.1mm	BG2729T/13	BG2729TG/13
14	18.0mm	18.1mm	BG2729T/14	BG2729TG/14
15	19.0mm	19.1mm	BG2729T/15	BG2729TG/15

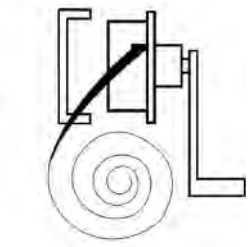


Right has red dot

Left has blue dot

Arbors Only

Stock #	Description
BG2729MND/State No.	Right Handed
BG2729MNG/State No.	Left Handed



Handle Only (Not shown)

BG30082M	Right Handed
BG30082MG	Left Handed

Mainspring Winders to fit Rolex

Special winder has a drum with arbor.

Stock #	Description
BG2729T/ROL1400	For 1400
BG2729T/ROL2030	For 2030
BG2729T/ROL2130	For 2130 & 2135
BG2729T/ROL3035	For 3035 & 3135
BG2729T/ROL2230	For 2230 & 2235, Left Handed Winder

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Motor Polishing Mandrels

Arbe Spindles for MO400

Stock #	Side	Metal
MO400/L	Left	Steel
MO400/R	Right	Steel
MO442/L	Left	Steel
MO440/R	Right	Steel

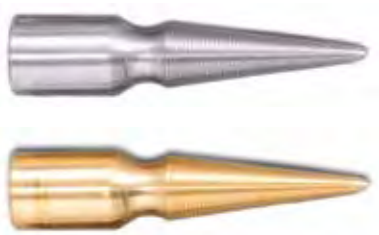
Ray Foster Spindles for MO390

Stock #	Side	Metal
MO390/L	Left	Steel
MO390/R	Right	Steel

Wood Hub Mandrel

Heavy-duty wood hub for right side shaft. Screw is 1/16" diameter and fits brushes with 3/32" holes.

Stock #	Description
MD47.260	Handle with Chuck



Baldor Motor Spindles

Stock #	Side	Metal
MD47.236	Right	Brass
MD47.237	Left	Brass
MD47.238	Right	Steel
MD47.239	Left	Steel

Handle with Chuck

Threaded onto tapered spindles so that small wheels and burs can be used on larger polishing motors. The end of the handle is bored and reinforced. The chuck opens from .085" to .128" so that 3/32" and 1/8" mandrels will fit. Overall length 3 1/2".

Stock #	Description
MD37.760	Handle with Chuck
MD37.761	Replacement Chuck

Tapered Chuck for Brushes

To use small brushes on polishing motor, thread brushes with 1/8" holes onto hardened steel taper, then thread onto standard tapered spindle.

Stock #	Description
MD47.258	Right
MD47.259	Left

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Tapered Spindles for Straight Shaft Motors

Steel spindle is designed to fit any straight shaft motor. Made with either right or left-handed threads and held to the shaft by set screws. The threads are clear and deep and the end is pointed.

Stock #	Side	Shaft Size
MD47.270	Right	1/4"
MD47.271	Left	1/4"
MD47.272	Right	5/16"
MD47.273	Left	5/16"
MD47.274	Right	3/8"
MD47.275	Left	3/8"
MD47.276	Right	1/2"
MD47.277	Left	1/2"
MD47.278	Right	5/8"
MD47.279	Left	5/8"

Mandrels for Abrasive Wheels

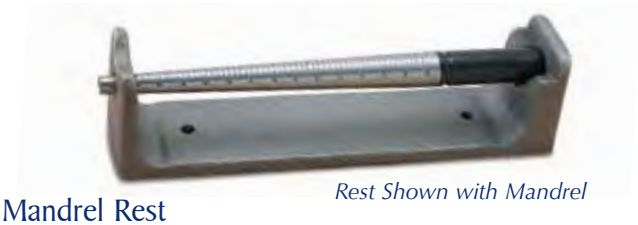
Motor shaft size 1/2", for right or left sides of motor. For wheels with 1/2" hole.

Stock #	Description
MD920	Right Side
MD921	Left Side

1/4" Mandrel

This 1/4" mandrel fits wheels up to 3" diameter and 1/2" thick, for use with a #62 lathe chuck which has a 6.2mm hole.

Stock #	Description
MD43.168	Mandrel 1/4" Hole



Rest Shown with Mandrel

Mandrel Rest

This mandrel rest provides support at both ends for a ring mandrel while working. Also used to hold bracelet mandrels that do not have tangs. Made of cast iron, can be secured to benchtop.

Stock #	Description
MD43.070	Mandrel Rest

Combination Mandrel and Rest

Set contains MD201 ring mandrel and MD43.070 mandrel rest.

Stock #	Description
MD43.071	Combination Mandrel and Rest

Polished Necklace Mandrel

Necklace mandrel is polished cast iron designed to allow for the easy shaping of necklaces. Use to work metals or to form wax necklaces that are perfect in length and fit every time. 8½" x 7¾" x 7".

Stock #	Description
MD225.00	Polished Necklace Mandrel

Economy Bracelet Mandrels

Smooth steel bracelet mandrels designed with a taper from 2½" to 1¾". Available in round or oval.

Stock #	Description	Weight	Length
MD216.00	Round	6 lbs. 7 oz.	15″
MD217.00	Oval	6 lbs. 5 oz.	14″

Bur Chuck for Baldor Tapered Shaft Motors

Capacity for right shaft. Brass body with steel knurl. 5/32" capacity.

Stock #	Description
MD47.205	Right

Ring size chart included with MD 200 & 201

Steel Ring Mandrels

Mandrels made of case hardened steel are finely polished.

Stock #	Description	Graduated	Length
MD201	Round	¼″ Sizes 1 to 16	13½″
MD200	Grooved	¼″ Sizes 1 to 16	13½″
MD272	Large Size	¼″ Sizes 16 to 24	8¼″

Mandrel and Anvil Set

Set contains anvil with bench clamp, oval bracelet mandrel, bench pin, grooved ring mandrel with sizes 1 to 7 and grooved ring mandrel with sizes 7 to 15.

Stock #	Description
MD250	Mandrel and Anvil Set
AN130	Replacement Anvil w/ Bench Clamp
BP161	Replacement Small Bench Pin
MD43.0252	Replacement Grooved Ring 1 to 7
MD43.0254	Replacement Grooved Ring 7 to 15
MD43.052	Replacement Oval Bracelet Mandrel, Tang

Brass Stone Chucks for Baldor Tapered Shaft Motors

Tapered shaft is ¼" per foot.
For use with wheels up to 3" diameter and ¼" thick, with ¼" arbor holes.

Stock #	Description
MD47.200	Right
MD47.201	Left

Digital Ring Stick

Made of stabilized and anodized aluminum, this innovative ring stick is accurate to .01mm. Four measurement scales can be set using pressure.

Stock #	Description
BG5235-DIG	Digital Ring Stick

Bezel Mandrels

Used to form bezels, shape decorative ornaments and make chain links. Made with hardened steel standards.

Stock #	Description	Taper	Length
MD260	Round	1/8″ to 1/2″	11″
MD262	Oval	1/8″ to 1/2″	11″
MD264	Square	1/8″ to 1/2″	10 1/2″

Metal Ring Sticks with Rosewood Handles

Hollow ring stick measures USA standard sizes 1 to 15. The gauge shows the length of metal needed for sizing at the narrow end. The handle is elegantly polished rosewood with loop for hanging.

Stock #	Description
GA191A	Plain Ring Stick
GA190A	Grooved Ring Stick

Wooden Ring Stick

Ring stick is made of beautiful, finely finished hardwood. Attractive for wire work—will not scratch or damage fine jewelry or counter tops. Sizes 3 to 15.

Stock #	Description
GA385.00	Wooden Ring Stick

Aluminum Ring Stick

This turned aluminum stick measures sizes 1 to 15 by quarter size in U.S. standards. It features a metal loop at one end for hanging.

Stock #	Description
GA193	Aluminum Ring Stick

Deluxe Aluminum Ring Stick

Deluxe ring stick measures by both USA and European ring sizes and shows diameter and circumference in millimeters.

Stock #	Description
GA174	Aluminum Ring Stick

Plastic Economy Ring Stick

Black plastic stick has large easy-to-read white markings which measure rings from sizes 1 to 15 by quarter sizes. This accurate and economical ring stick is great for use on glass counters.

Stock #	Description
GA194A	Grooved
GA194B	Plain

Indexing Mandrel

Made of anodized aluminum, this mandrel has 36 lines, each 10 degrees apart. Excellent for designing eternity and other rings because the user can divide rings into sections. This mandrel was designed by jewelers and will become an indispensable tool for wax work or finished rings. Each mandrel comes with complete instructions.

Stock #	Description
GA340.00	Indexing Mandrel

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Miniature Mandrels

Miniature mandrels are designed for use with flexible shafts and drill presses. Holds small felt cones and cylinders, or rubberized abrasive and grinding wheels. All are nickel-plated steel unless noted. Mandrels and mounted accessories used improperly are dangerous. Be sure to comply with ANSI and OSHA guidelines and use correct speeds.

Mandrel with Washer

For 3/32" shafts and 1/16"arbor holes.

Stock #	Thread Length
MD43.128	8mm
MD43.134	8mm

Steel Mandrel

For 1/8" shafts and 1/16" to 3/32" arbor holes.

Stock #	Thread Length
MD43.156	8mm
MD43.158	10mm

1/8" Shank Mandrel for Wheels

Mandrel has 1/8" shank and a washer. MD43.160 fits 1/8" holes. MD43.164 fits 1/4" holes.

Stock #	Length
MD43.160	10mm
MD43.164	6mm

Snap-on Disc Mandrel

For use with Adalox or Magnum brass center abrasive discs. Sold individually. Has a 1/8" shank and a 19/64" screw length.

Stock #	Description
MD1090	Plated Steel
MD1091	Stainless

Pacific Abrasive Mandrels

Use for Pacific Abrasive inside ring cylinders.

Stock #	Description
MD11.898	Inside Ring Mandrel

Threaded Mandrel

Threaded mandrel with nut for accessories with 3/32" holes. Has 3/32" shaft.

Stock #	Thread Length
MD43.124	3/32" Shank

Threaded Mandrel

Use this popular 1/8" mandrel with Cratex rubberized abrasives with 3/32" holes.

Stock #	Thread Length
MD43.154	1/8" Shank

Sanding Mandrels

Stainless steel mandrels feature larger diameter barrels for sanding and finishing the insides of rings.

Stock #	Diameter	Shank
MD450.01	1/4"	3mm
MD450.02	3/8"	3mm
MD450.03	1/2"	4mm

Tapered Threaded Mandrel

Tapered threaded mandrel with 3/32" outer diameter threads and 3/32" shaft.

Stock #	Thread Length
MD43.120	3/16"
MD43.122	3/8"

Tapered Threaded Mandrel

Tapered threaded mandrel with 3/32" outer diameter threads and 1/8" shank.

Stock #	Thread Length
MD43.150	3/16"
MD43.152	3/8"

Mandrel Adapter

Use to adapt an 1/8" accessory to fit a 3/32" shaft flexshaft.

Stock #	Description
MD43.140	Mandrel Adaptor

Pacific Abrasive Mandrels

Use for Pacific Abrasive mini-points. 3/32" shank.

Stock #	Description
MD11.894	Mini-point Mandrel

Bergeon Flat Bench Glass Observation Mirror

Use to observe the underside of the electronic module being worked on. 50 x 50 x 9mm. Swiss.

Stock #	Description
BG2681	Observation Mirror

Movement Retro-fit Compound

Use this two-part compound to mold a case movement holder. Hardens in 5 minutes.

Stock #	Description
CE410	Retro-fit Compound

Economy Reversible Movement Holder

Reversible holder for use on both sides. Covers all watch sizes. All metal construction. From India.

Stock #	Description
MH439	3¾ to 11L
MH440	8¾ to 19L

Zantech Conductive Silver Epoxy

High electrical conductivity and putty-like properties make this two-part epoxy suitable for repairing fine broken wires such as coil and motor wires on electronic watches. Hardens at room temperature within 24 hours. Includes spatula and mixing tile.

Stock #	Description
ZAN-001	Silver Epoxy Kit
ZAN-002	Silver Epoxy Refills

Adjustable Module Holder

Unique sliding telescopic mechanism adjusts to hold any size module. Plastic posts will not harm electronic movements.

Stock #	Description
BG6515	Swiss Version
MH6516	Economy Version

Stacking Movement Holder

Hold movements from 4.5 lignes to 20.5 lignes or from 10mm to 46mm with this set of 12 round movement holders.

Stock #	Description
MH236	Graduated Holders

Circuit Works Pen

Quickly create silver conductive traces on movement circuit boards. Solderable below 350° F. This pen has a self-cleaning tip. Silver filled conductive material is 50% metal. Dries fast at room temperature.

Stock #	Description
CE895	Circuit Works

Vigor® Circuit Maker™

Repair quartz analog and digital circuitry and other fine wire circuits with a minimum of time and effort. Kit includes a half-ounce bottle of Circuit Maker and an applicator. Thin with acetone.

Stock #	Description
CE890	Circuit Maker

2010 Movement Catalog & 2012 Supplement

Bergeon Reversible Movement Holder

Reversible holder for use on both sides. Covers all watch sizes. All metal construction. Swiss.

Stock #	Description
BG4039	3¾ to 11L
BG4040	8¾ to 19L
BG30211	Pocket Watches

Plastic Bergeon Reversible Movement Holder

Reversible holder for use on both sides. Covers all watch sizes. Swiss.

Stock #	Description
BG4039P	3¾ to 11L

Plastic Bergeon Reversible Movement Holder

Reversible holder for use on both sides. Covers all watch sizes. Swiss.

Stock #	Description
BG4040P	8¾ to 19L

Bergeon Movement Holder For Fitting Hands

Universal movement holder for fitting hands. Swiss.

Stock #	Description
BG5409	Movement Holder

Universal Movement Holder

Universal movement holder has reversible jaws and lock lever for calibers 3¾-20 lignes. Swiss.

Stock #	Description
BG4513	Movement Holder

Movement Holders for Rolex Styles

Designed in aluminum for three different Rolex watch movements. An adjustable center pin provides support for the movement's center jewel.

Stock #	Holds Movement #
MH1570 Blue	1570
MH3035 Red	3035
MH2135 Gold	2135

Jules Borel & Co. is not authorized by, nor affiliated with Rolex Watch, U.S.A., Inc.

Watch Case Stands Set

Replaceable sponge inserts on hard black plastic hold and protect watch crystals, bezels and cases. Inside diameters 24, 30 and 40mm. Swiss.

Stock #	Ins. Dia.	Out. Dia.	Height
CH167.650/24	24mm	50mm	25mm
CH167.650/30	30mm	50mm	25mm
CH167.650/40	40mm	50mm	25mm

Movement Holders

Specialty A/F Movement Holders

Valjoux 7750-53

Two pushers and two supports.

Stock #	Size
MH185.139	13¼ L.

ETA 251.471

Two pushers and two supports.

Stock #	Size
MH185.137	10½ L.

ETA 251.262

Four pushers and two supports. For ETA 251, 252, 262, 265, 272.

Stock #	Size
MH185.138	13¼ L.

Omega 861

Two pushers and one support.

Stock #	Size
MH185.140.861	12 L.

Omega 1140, ETA 2890/2, 2

Two pushers and one support.

Stock #	Size
MH185.140.1140	11¼ L.

ZEN 3019

Two pushers and four supports.

Stock #	Size
MH185.140.3019	13 L.

Rolex Movement Holder

For Rolex 4030 and Zenith 400, 410, 420. Reversible with six pushers and five supports. Swiss.

Stock #
BG1998/RLX4030

Horia Movement Holder

Genuine Horia movement holder for a Valjoux 7750-53. Reversible with six pushers and five supports. Swiss.

Stock #
BG1998/HORIA

ETA Movement Holder

For ETA 251.262. 13½ L., reversible, four pushers, 30mm base. Swiss.

Stock #
BG1996/251.262

ETA Movement Holder

For ETA 2892A. Four pushers, one support, 30mm base. Swiss.

Stock #
BG1999

Round Reversible Movement Holders

Push of the button enlarges movement holder and releases grip on round shapes. Swiss.

Stock #	Description
BG5914/0600	6 Ligne
BG5914/0612	6½ Ligne
BG5914/0700	7 Ligne
BG5914/0714	7¼ Ligne
BG5914/0712	7½ Ligne
BG5914/0734	7¾ Ligne
BG5914/0800	8 Ligne
BG5914/0814	8¼ Ligne
BG5914/0834	8¾ Ligne
BG5914/0900	9 Ligne
BG5914/0914	9¼ Ligne
BG5914/0912	9½ Ligne
BG5914/0934	9¾ Ligne
BG5914/1012	10½ Ligne
BG5914/1034	10¾ Ligne
BG5914/1112	11½ Ligne
BG5914/1134	11¾ Ligne
BG5914/1200	12 Ligne
BG5914/1214	12¼ Ligne
BG5914/1212	12½ Ligne
BG5914/1234	12¾ Ligne
BG5914/1300	13 Ligne
BG5914/1314	13¼ Ligne
BG5914/1612	16½ Ligne
BG5914/1700	17 Ligne

Round Reversible Plastic Movement Holders

Push of the button enlarges movement holder and releases grip on round shapes. Swiss.

Stock #	Description
BG5914P/0734	7¾ Ligne
BG5914P/0834	8¾ Ligne
BG5914P/1012	10½ Ligne
BG5914P/1112	11½ Ligne
BG5914P/1212	12½ Ligne
BG5914P/1612	16½ Ligne

Round Support Movement Holders

Movement holder with adjustable center support for safe hand placment. Swiss.

Stock#	Shape	Description
BG1996/0414	Round	6¼ Ligne
BG1996/0612	Round	6½ Ligne
BG1996/0700	Round	7 Ligne
BG1996/0734	Round	7¾ Ligne
BG1996/0800	Round	8 Ligne
BG1996/0814	Round	8¼ Ligne
BG1996/0834	Round	8¾ Ligne
BG1996/0900	Round	9 Ligne
BG1996/1012	Round	10½ Ligne
BG1996/1112	Round	11½ Ligne
BG1996/1200	Round	12 Ligne
BG1996/1214	Round	12¼ Ligne
BG1996/1212	Round	12½ Ligne
BG1996/1234	Round	12¾ Ligne
BG1996/1300	Round	13 Ligne
BG1996/1314	Round	13¼ Ligne
BG1996/1312	Round	13½ Ligne
BG1996/1412	Round	14½ Ligne
BG1996/1612	Round	16½ Ligne

Fancy Support Movement Holders

Movement holder with adjustable center support for safe hand placment. Swiss.

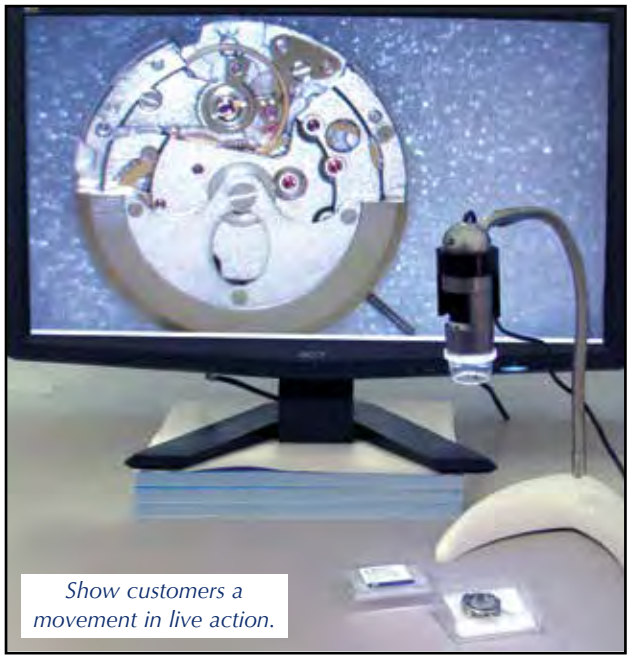
Stock#	Shape	Description
BG1997/0306	Fancy	3¾ x 6¾ Ligne
BG1997/0308	Fancy	3¾ x 8¾ Ligne
BG1997/0310	Fancy	3¾ x 10 Ligne for FHF59
BG1997/0425	Fancy	4½ Ligne
BG1997/0475	Fancy	4¾ Ligne
BG1997/0500	Fancy	5 Ligne, for AS976
BG1997/0525	Fancy	5¼ x 6¾ Ligne for AS1051
BG1997/0526	Fancy	5¼, x 6¾ Ligne for ETA1201
BG1997/0550	Fancy	5½ x 6¾ Ligne for AS1012 &1677
BG1997/0675	Fancy	6¾x 8 Ligne for FHF60 & 69

Special Caliber Movement Holders

Provide support when installing hands on some calibers. With support. Swiss.

Stock #	Description
MH980.153	5½ x 6¾ L, 4.25mm, Off Center Postr
MH980.163	5½ x 6¾ L, 6.25mm, Off Center Post

Digital Magnifiying Scope



Show customers a movement in live action.

Optional Flexible Stand Accessory

Hand-held Unit, 4 x 1.26 diameter, Eight Built-in LEDs

Dino-lite Scope for Watchmakers & Jewelers

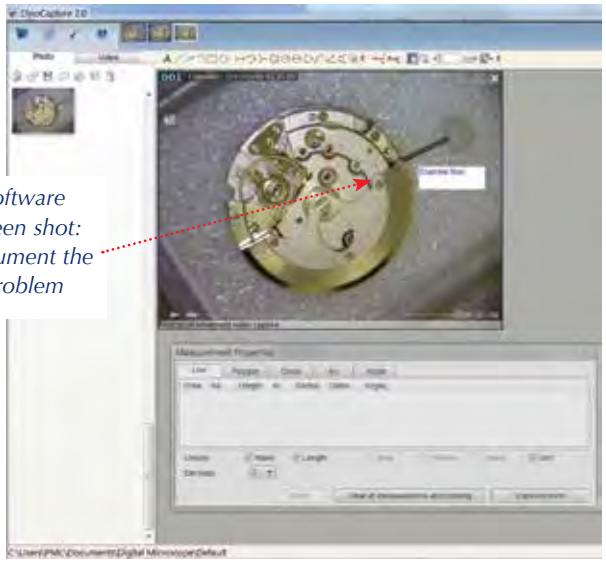
Connect this microscope to your computer to capture excellent large images and take measurements. Save time capturing repair documentation or custom work in progress. Variable magnification from 10X - 220X, polarized to reduce reflections. USB 2.0 connection.

For Watchmakers

- Take still pictures and video for insured documentation
- Take measurements with the same accuracy as when measuring the movement itself
- Draw right on image for clear planning for repairs or modifications
- Insert comments or approval stamps

For Jewelers

- Demonstrate settings and gems
- Inspect prongs, stones and damage
- Document repairs and custom work
- Save images for appraisals



Software screen shot: Document the problem

Screen shot: Ring with one carat center stone

Stock #	Description
DL-AMA413ZT	Digital Scope
DL-MS41	Flexible Stand

CAT-F CAT-M CAT-B CAT-MALLARD CAT-CRY CAT-T CAT-HP

Jules Borel & Co. Catalogs

View PDF Catalogs on our website or order a printed copy.

Four Piece Pin Vise Set

Set of four economical hardened steel pin vises with size range of 0"- 3/16" or 4.75mm. In a plastic pouch.

Stock #	Description
PV240.00	Pin Vise Set

Double-Ended Pin Vise

Reversible 4-jaw steel collets in each end with hexagonal heads to prevent rolling. Hollow handle and heads are made of brass. Capacity is 0 to .125" or 3.2mm. 4 1/8" long.

Stock #	Description
PV656	Double-Ended

Square-Chuck Pin Vise

Has two steel chucks with spare chuck held in the end of the hollow brass non-rolling handle. Capacity 0 to .079"or 2mm. Overall length 3 3/4".

Stock #	Description
PV651	Square-Chuck

Moody Acu-Min Pin Vises

Set of four single-ended, hollow-core pin vises. At 1.40 to 4.75mm, capacities range from .000 to .187". Made in the USA by Moody Tools.

Stock #	Description
PV580196	4 Pin Vises

Double-Ended Pin Vise

Different size steel collets in both ends of hollow handle. Capacity 0 to .099" or 2.5mm, 4 1/4" long.

Stock #	Description
PV657	Double-Ended

Brass Handle Pin Vise

Steel collet is set into handle with screw chuck. Capacity 0 to 0.28"or .71mm. Overall length is 3 1/8".

Stock #	Description
PV652	Brass Handle

Wood Handled Pin Vise

Economical pin vises with black fluted wood handles and steel chucks. Small pin capacity 0 to .047" or 1.19mm. Overall length is 4".

Stock #	Description
PV661	Wood Handle

Swivel Head Pin Vise

Large free-wheeling head makes this pin vise suitable for drilling, tapping and using as a screwdriver. Has two-ended collets, one in the screw chuck and the other stored in the handle. Capacity 0 to .125"or 3.2mm. 3 1/2" long.

Stock #	Description
PV662	Swivel Head

Extra Small Pin Vise

Midget size, hollow handle metal pin vise with screw vise. Capacity 0 to .020"or .5mm. Overall length 1 7/8".

Stock #	Description
PV659	Extra Small Pin Vise

Fast, Friendly Service

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Pin Vises

Bergeon Pin Vises

Fine quality, pin vises have hardened steel chucks, round heads, and chromium plated knurled handles. These pin vises have 2 collets except #1.

Stock #	Description
BG30026D	Smallest, #1, 2, 3 in Paperboard Box
BG30026A	#1-5 in Wooden Case (as shown)

Stock #	Opening (mm)	Length (mm)
BG30021	#1, 0-.7	80
BG30022	#2, 0-1.0 & 1.0-1.5	90
BG30023	#3, 1.0-1.5 & 1.5-2.0	100
BG30024	#4, 2.0-2.5 & 2.5-3.0	120
BG30025	#5, 3.0-3.5 & 3.5-4.0	130

Tool Holder

Use this French-made chuck-style holder with beading tools, millgrain tools, gravers and small needle files. Comfortably shaped hardwood handle with two chucks for 0 to 3mm. 3 1/4" long.

Stock #	Description
GH165	French Tool Holder

Swivel Tool Handle

Swivel chuck style handle fits palm of hand, making it useful for setting, reaming, tapping, etc. Use with beading, millgrain, gravers tools and small needle files. Two chucks have a range of 0 to 3mm. 3 1/4" long. Made in the USA.

Stock #	Description
GH37.769	Tool Handle - USA
GH37.771	Tool Handle - Import

Bergeon Pin Vise Sets

Set of three round-head, single chuck pin vises.

Stock #	Opening	Length
BG1839A	Set of 3 Pin Vises	
BG1839/11	0 - .8mm	80mm
BG1839/10	0 - .1.2mm	100mm
BG1839/9	1.4 - 2.5mm	120mm

Square-head, double chuck pin vises.

BG1842B	Set of 4 Pin Vises	
BG1842/18B	0-1 & .8-2	80mm
BG1842/17B	0-1.2 & 1.5-3	100mm
BG1842/16B	0-1.5 & 2.5-4	120mm
BG1842/15B	0-1.5 & 4-51	40mm

Wing Nut Hand Vise

Serrated, grooved, spring action jaws operate with a large wing nut. Hollow handle allows a long wire to pass through.

Stock #	Description	Jaw Width
PV654	Wing Nut Hand Vise	1/4 inch
PV655	Wing Nut Hand Vise	5/8 inch
PV665	Screw and Nut	

Bergeon Sliding Ring Pin Vise

Slide ring forward to tighten the chuck on this quality pin vise. 4 1/3" long, with a .0-1.5mm opening. Swiss.

Stock #	Description
BG30432	Sliding Pin Vise

Sliding Chuck Pin Vise

Knurled ring slides forward to close steel jaws, for one hand operation. Capacity 0 to .051"or 1.3mm. O-verall length of 4 1/8".

Stock #	Description
PV650	Pin Vise

Ceramit Low Temperature Enamel

Bake Ceramit for one hour at only 200° F and achieve a hard, ceramic-like surface. Mix the catalyst and the color liquids 2:1, then brush, spray or apply with a spatula or squeeze bottle. Apply in a single coat or build up in successive layers. Available in 30 mixable colors, adheres to metals, wood, plastics and ceramics. Can be stoned and polished. Complete set includes 16 ounce catalyst along with the following 14 colors in 1/2 ounce bottles. Opaque colors: red, orange, yellow, jade green, turquoise, black and super white. Transparent colors: red, orange, yellow, green, blue, brown and clear. UPS Hazard Fee applies.

Stock #	Description
CT45.800	Ceramit Low Temperature Enamel Kit

Ceramit Thinner

UPS Hazard Fee applies.

Stock #	Description
CT45.884	16 Ounces

Catalyst Refill

UPS Hazard Fee applies.

Stock #	Description
CT45.880	8 Ounces

Hazardous

Certain hazardous chemicals may have an additional shipping fee charged by the carrier and cannot be sent by air.

Replacement Colors

Non-Hazardous. Individual two-ounce bottles of Ceramit may be reordered by product numbers listed with the colors below. Colors may not match the ink colors on this chart.

Opaque Colors

Black CT45.801

Pearl CT45.802

Super White CT45.803

Iridescent Pink CT45.805

Chinese Red CT45.807

Red CT45.809

Violet CT45.810

Brown CT45.811

Cocoa CT45.812

Orange CT45.813

Yellow CT45.816

Butterfly CT45.817

Olive Green CT45.818

Green CT45.819

Green CT45.821

Sky Blue CT45.823

Turquoise CT45.824

Israeli Blue CT45.825

Blue CT45.826

Fluorescent Colors

Red CT45.861

Green CT45.864

Blue CT45.866

Transparent Colors

Red CT45.841

Violet CT45.842

Brown CT45.843

Orange CT45.844

Yellow CT45.845

Green CT45.846

Blue CT45.847

Clear CT45.848

Rectifier–25 amp

Precision-built in the USA, these continuous-duty, 25 amp solid-state electronic units have a range of power to handle all plating needs. Powerstat control produces desired voltage. Feature a pilot light, a DC amp meter and a voltmeter for measuring the current under load. Includes a set of lead wires with alligator clamps and terminal lugs. Use also for electro-stripping.

Style #	Description
PM2512	Rectifier

Electric Hot Plates

Hot plates with chrome top and white trim have three ring burners, tubular elements and infinite control switches. 120 volt AC, 50/60 Hz, with three-prong grounded cord. UL listed. Single burner measures 8½" x 8½" x 3¼". 6 amps, 700 watts. Double burner measures 17" x 8½" x 3¼". 13 amps, 1400 watts.

Style #	Description
PM380	Single Burner Hot Plate
PM381	Double Burner Hot Plate

Pro-craft Immersion Thermometer

Use to measure solution temperatures ranging from 0-230° F.

Style #	Description
PM45.696	Thermometer

Plating Anodes

Anodes measure 1" x 6", except PM324, which is one square inch.

Stock #	Description
PM315	Copper
PM316	Stainless steel
PM318	Nickel
PM319	Fine Silver 999
PM324	Gold 24K

Soft Copper Binding Wire

20-gauge binding wire in 4-ounce spools with approximately 80 feet per spool.

Stock #	Description
WR43.562	Copper Wire

Electroplating Made Simple

Book describes how to plate different metals using baths and pens, plus offers troubleshooting advice.

Stock #	Description
BK1216	Plating Book

Grobet USA™ Plating Guide

Covers step-by-step plating procedures in an easy-to-learn technique.

Stock #	Description
BK1215	Plating Book

Cohler Rhodium Kit

A special two-piece kit of rhodium concentrate and distilled water allows us to ship rhodium plating solution to you without charging the usual UPS hazardous materials fee. Rhodium plating solutions are acid-based. Do not store near cyanide. Use with a platinized titanium anode in a bath plating machine.

Stock #	Capacity	Rhodium Qty.
PM300/KIT	½ Pint	½ Gram
PM301/KIT	1 Pint	1 Gram
PM302/KIT	1 Quart	2 Grams

Rhodium Anodes

Platinized titanium mesh is insoluble in rhodium.

Stock #	Description	Size
PM45.601A	Mesh	1″ x 4″

Electroplating Rhodium

1. *Polish the ring, then ultrasonically clean the ring in a hot tank for a minimum of 30 minutes.*
2. *Rinse for two minutes under very hot water, rubbing with fingers to remove U/S solution.*
3. *Rub Ivory Liquid Soap on the piece, rubbing with your fingers, to make contact with all surfaces.*
4. *Rinse under very hot water, or steam clean.*
5. *Clip the Negative Plater lead to the platinum holding wire 84B-24, hang ring on platinum wire.*
6. *Hang platinum holding wire in distilled water beaker.*
7. *Clip the Positive Plater lead to the Platinized Titanium or Platinum Anode.*
8. *Turn on the Plater and set the voltage at 4-6 volts. IMPORTANT: leave the Plater turned on.*
9. *Plate Rhodium for approximately 20 seconds at room temperature using ONLY COHLER Rhodium solution.*
10. *Rinse in distilled water.*

Keep the level of the beaker full. Mark the full level on your beaker with a marker.

After the level has dropped ¼″, fill back to the marked full level with distilled water only.

Pyrex Beakers

Measure and hold chemical solutions.

Style #	Description
PM333	For 600ml/Pint Baths
PM335	For 1000ml/Quart Baths

Beaker Covers

Easy-on, easy-off, snug-fit covers protect against spills or contamination of beaker contents.

Style #	Description
PM336	Cover for 600ml Beakers
PM338	Cover for 1000ml Beakers

Rhodium Plating Supplies

Style #	Description
PM2512	Plater 25 AMP
PM301/KIT	Rhodium 1 Gram
PM45.601A	Platinized Anode
84B-24	Platinum Holding Wire, 3″ min.
PM333	Beaker 600ml/Rhodium
PM336	Beaker Lid Rhodium
PM45.202	Electrocleaner Powder, 2lbs.
PM316	Anode Stainless/Electroclean
PM333	Beaker 600ml/Electrocleaner
PM336	Beaker Lid Electrocleaner
BK1216	Cohler Rhodium Book
PM333	Beaker 600ml/Distilled Water
PM336	Beaker Lid Water
PM380	Hot Plate for Electrocleaning

Antiquing & Plating Accessories

Jewelry Background Antique

Create highlighting or subtle dark background effects by adding a dark, dull antique finish on any jewelry. Adheres to any metal, dries in minutes. Resistant to wear, needs no lacquer. Two ounces. No shipping by air. ORM-D.

Solution Only

Stock #	Description
PM130	Black
PM131	Green
PM132	Brown

AUL Solvent

Removes background color from high spot surfaces. No shipping by air.

Stock #	Description
PM135	2oz.

Background Kits with AUL Solvent

No shipping by air.

Stock #	Description
PM230	Black
PM231	Green
PM232	Brown

Liver of Sulphur Powder

Dissolve in hot water to use as an oxidizer for most metals. Will not oxidize gold. Eight ounces.

Stock #	Description
PM45.690	Liver of Sulphur

"The Wizard" Disposable Plating Pen

Plate up to 300 rings without a rectifier. Use with the pen plating solutions to the left, using a different pen for each different kind of solution. Battery powered, easy-to-use.

Stock #	Description
PM299	Plating Pen

Gold and Silver Oxidizer

Use on both gold and silver to produce all shades from French gray to black. UPS Hazard Fee applies.

Stock #	Description
PM45.0331	8oz. Oxidizer

Hazardous

Certain hazardous chemicals may have an additional shipping fee, and cannot be sent by air.

Krohn MiKro-Rack Plating Rack

Reduce metal waste and increase the life of the plating solution by using this vinyl insulated titanium holding wire—the insulation prevents overplating the rack. Works in both 600ml and 1000ml beakers.

Stock #	Description
PM313	Plating Rack

Rhodium Pen Plating Solutions

Stock #	Description
PM45.414	White Rhodium
PM45.415	Black Rhodium

Non-Cyanide Pen Plating Solutions

Dip felt-tip plating pens into these highly concentrated solutions and touch the felt tip to the item to be plated. One-ounce jars.

Stock #	Description
PM350-585	14K Yellow
PM350-590	18K Yellow
PM350-595	24K Yellow
PM350-596	Copper
PM350-584	Rose
PM350-583	Green

Clean Earth™ Plating Solutions

All Clean Earth™ plating solutions are cyanide-free. They are ecologically safer than standard plating solutions. Solutions plate uniformly and produce a hard, durable finish. The solutions are easy to use and produce rich colors.

Clean Earth™ Activator

Mix this powdered acid with water to produce a mild solution for etching, brightening and cleaning. Use to clean and activate parts to assure strong metallic bonding throughout the subsequent plating process. Use at room temperature for 30 to 60 seconds. This solution is not used with a rectifier. Two pounds makes five gallons.

Stock #	Description
PM45.204	Activator, 2 lbs.

Clean Earth™ Acid Activator-Stainless Steel

Acid Activator SS is a powerful activator that provides excellent oxide removal and etching properties to help metals plate onto stainless steel. Clean Earth offers a low cost, easily maintainable and ecological alternative to hazardous and noxious acids. It is designed to activate stainless steel for gold plating with Clean Earth Gold Plating Solution for a completely cyanide-free process. One quart.

Stock #	Description
PM45.244	Acid Activator-SS

Clean Earth™ Electrocleaner

Electrocleaner provides a quick and effective method for cleaning objects prior to plating. The cleaning process uses an electrolytic bath similar to plating operations. Use with a stainless steel anode. Clean with the solution heated from 120°-160° F at 2-6 volts for 15-30 seconds. Two pounds makes five gallons of solution.

Stock #	Description
PM45.202	Electrocleaner, 2 lbs.

Clean Earth™ Gold Plating Solutions

Use with a stainless steel PM316 or pure gold anode PM324 to produce a uniform gold color. Plate with the solution heated to 140° F at 3-4 volts for 30-45 seconds. Changing the plating time or solution temperature will affect color. One quart.

Stock #	Description	Karat
PM45.212	Gold Plating	14K
PM45.214	Gold Plating	18K
PM45.216	Gold Plating	24K

Clean Earth™ Silver

Produces a uniform silver plate. Use with a stainless steel or pure silver anode PM316, and plate at room temperature using 1.4-1.8 volts for 15-90 seconds. The finish will reflect the surface of the underplate whether dull or shiny. One quart.

Stock #	Description
PM45.220	Silver Plating

Clean Earth™ Nickel Mirror

Add a decorative brilliance and a white mirror shine to dull finishes. Best if used over copper mirror and is an excellent base for rhodium, gold or silver plating. Use with a pure nickel anode PM318. Plate with solution at 140° F at 2-4 volts for 2-10 minutes. One quart.

Stock #	Description
PM45.210	Nickel Mirror

Clean Earth™ Copper Primer

Use as a pre-plate to cover difficult to plate metals such as tin, lead, and zinc die-cast metals, or as an excellent base for nickel plating. Use with a pure copper anode PM315. Plate with solution at 130° F at 1-2 volts for 2-5 minutes. One quart.

Stock #	Description
PM45.206	Copper Primer

Clean Earth™ Copper Mirror

Use for a bright copper finish. Air bubble agitation produces superior uniformity and shine. Use with a pure copper anode PM315. Plate with solution at room temperature at 2-3 volts for 2-10 minutes. Electroform at 1-1.3 volts for 30 minutes to 5 hours. One quart.

Stock #	Description
PM45.208	Copper Final Finish

Borel German Pliers

Borel Extra Duty German 5" Pliers

Extra-duty 5" box-joint pliers feature double-leaf springs and red vinyl grips. These exceptional pliers are made of the finest European steel available. Box-joints ensure lifetime alignment. Made in Germany.

Borel 5" Chain Nose Pliers

Chain nose pliers feature smooth jaws with slightly beveled edges to avoid marring. Serrated jaws are also available. The nose is tapered to a fine point for bending and utility work.

Stock #	Description
PL300.00	Chain Nose

Borel Long Nose Chain Pliers

Pliers have extra long jaws for speciality applications. 5¾" long.

Stock #	Description
PL560.00	Needle Nose

Major Equipment Flyer

This is THE resource for watch-makers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

Borel 5" Round Nose Pliers

Create loops and round bends with the perfectly round and finely tapered tips of these pliers. Long, round nose pliers have a 1" jaw length.

Stock #	Description
PL310.00	Round Nose

Borel 5½" Extra Long Round Nose Pliers

Create loops and round bends with the perfectly round and finely tapered tips of these pliers. Extra-long round nose pliers have a 1½" jaw length and measure 5½".

Stock #	Description
PL312.00	Extra-Long Round Nose

Borel 5" End Cutters

End cutters are great for heavy duty jobs. These have well shaped handles for maximum leverage and hardened semi-flush cutting jaws.

Stock #	Description
PL320.00	Semi-Flush
PL180601	Carbide Tip, Swiss

Borel 5" Flat Nose Pliers

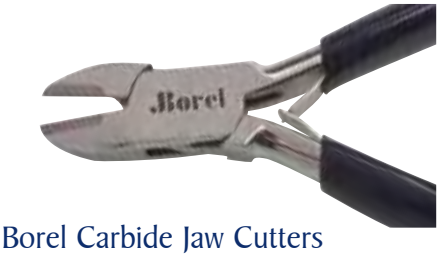
Allows you to grip flat objects and make right angle bends. The smooth jaws come to a fine, even taper.

Stock #	Description
PL305.00	Flat Nose

Borel 5" Side Cutters

Heavy work pliers are tough enough to cut piano wire without nicking. Box-joint construction.

Stock #	Description
PL315.00	Side Cutters



Borel Carbide Jaw Cutters

Carbide cutters are made to cut hard wires. They feature carbide jaws for maximum hardness. The small pliers have PVC handles and the large pliers have cushion grips. 5½" in length.

Stock #	Description
PL781.00	Side Cutter

Borel Fineline 4½" German Pliers

Precision 4½" premium-quality box-joint pliers feature high-quality polished steel, double-leaf springs and blue vinyl-coated handles. Made in Germany.

Borel 4½" Chain Nose Pliers

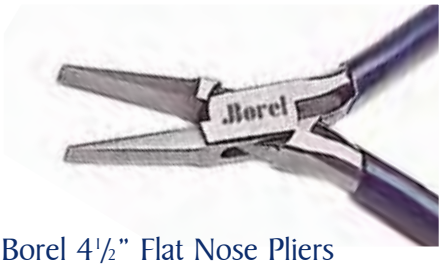
Borel chain nose pliers feature smooth jaws with slightly beveled edges to avoid marring. The nose is tapered to a fine point for bending and utility work.

Stock #	Description
PL100.00	Chain Nose

Borel 4½" Round Nose Pliers

Use round nose pliers to create loops and round bends with perfectly round and finely tapered tips.

Stock #	Description
PL110.00	Round Nose



Borel 4½" Flat Nose Pliers

Use to grip flat objects and make right angle bends. The smooth jaws come to a fine, even taper.

Stock #	Description
PL105.00	Flat Nose

PL115.50

Borel 4½" Side Cutters

Fine, slim head allows side cutters to reach tight spaces. Semi-flush.

Stock #	Description
PL115.00	Regular Jaw
PL115.50	Pointed Jaw

Borel 4½" End & Oblique Cutters

These cutters are perfect for cutting close to objects. The jaws are at right angles to the handles. The oblique cutters feature an angled head to allow the tip to reach tight places.

Stock #	Description
PL120.00	Semi-Flush End
PL125.00	Flush Oblique

Jules Borel
1884-1971

Borel Carbide Jaw Cutters

Carbide cutters are made to cut hard wires. They feature carbide jaws for maximum hardness. The small pliers have PVC handles and the large pliers have cushion grips. 4½" in length.

Stock #	Description
PL781.50	Side Cutter

Over Nine Decades of Quality Products and Service

Jules Borel started his watch part business in Kansas City in 1920. Since then, we have become a premier provider of quality materials, tools, and supplies. Besides our comprehensive selection and fast delivery, we offer a genuine concern for your success. Call us weekdays, 8:00-5:00 Central time at 800-776-6858 or order online at julesborel.com.

Lindstrom 80-Series Cutters

Lindstrom cutters offer unsurpassed cutting capacity covering a wide range of applications and available with three cutting edge options. An adjustable precision screw minimizes friction and maximizes alignment of cutting edges. Lindstrom pliers feature double-leaf springs and non-slip handles.

Lindstrom Ultra-Flush Cutters

These unique ultra-flush cutters leave a flat surface on cut ends which virtually eliminates the pinch left by most cutters. The PL8152 is 4.43" long with a jaw length of .5" and a cutting capacity of 16 gauge.

Stock #	Description
PL8152	Ultra-Flush Cutter

The Cutting Edge

To protect your fine Lindstrom pliers and obtain better performance, know the maximum cut and use the correct cutting edge for the task. All Lindstrom cutters are marked with the cutting capacity on the inside of the handle.

Micro-bevel

Leaves a minimal "pinch" on the ends for a smaller surface for soldering. Has a wide range of cutting and a variety of uses.

Flush

With a finer cutting edge than micro-bevel or semi-flush edges, the flush cutter leaves a narrow and shorter taper along the "pinch".

Ultra-flush

The "pinch" is virtually eliminated with the flat cut end, but the ultra-flush has a more limited cutting range and greater possibility of damage from misuse.

Lindstrom Flush Cutters

A flush cutter will leave a narrower and shorter taper along the pinch. Flush cutters have a finer cutting edge than semi-flush or micro bevel cutters. The PL8141 is 4.33" long, with a jaw length of .39" and a maximum cutting capacity of 16 gauge. The PL8161 is 4.92" long with a jaw length of .63" and a maximum cutting capacity of 12 gauge.

Stock #	Description
PL8141	4.33″ Flush Cutter
PL8161	4.92″ Flush Cutter

Lindstrom Micro-Bevel Cutters

Micro-bevel cutters leave a minimal rise or pinch on the cut ends, giving a smaller surface area for soldering. Allows for a very wide cutting range and variety of uses. The PL8140 is 4.33" long, with a .39" jaw length and maximum cutting capacity of 16 gauge. The PL8160 is 4.92" long, with a jaw length of .63" and a maximum cutting capacity of 12 gauge.

Stock #	Description
PL8140	4.33″ Micro-Bevel
PL8160	4.92″ Micro-Bevel

The Lindstrom chain plier has a smooth chain jaw, and is 5.2″ long. It has jaws 1.26″ long and a tip width of .03″.

Lindstrom Supreme Series Pliers

Precise jaw alignment produces excellent performance. 5.2" long.

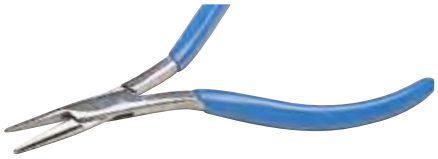
Stock #	Description
PL7890	Chain Smooth Pliers
PL7490	Flat Nose Pliers
PL7590	Round Nose Pliers
PL7892	Bent Nose Pliers

The Internet is Great

But when you have a complicated question, call us for expert advice on purchasing at 800-776-6858 weekdays 8:00-5:00 Central time.

Micro Pliers

Micro pliers give precise surgeon-like control for delicate jobs. All micro pliers are 5" long, slim at the hinge point, feature stainless steel box-joint construction and a curved comfort design.



Micro Chain Nose Pliers

Stock #	Description
PL580.00	Chain Nose, Serrated

Micro Round Nose Pliers

Stock #	Description
PL580.10	Round Nose Pliers

Micro Fine Chain Nose Pliers

Especially good for bead knotting.

Stock #	Description
PL580.60	Fine Chain Nose Pliers

Micro Flat Nose Pliers

Stock #	Description
PL580.05	Flat Nose

Micro Bent Flat Nose Pliers

Stock #	Description
PL580.50	Bent Flat Nose

Thin Line Pliers

Thin Line pliers offer excellent quality at a great value. Pliers have box-joint construction and blue PVC grips. The single-leaf spring is nickel-plated.

Thin Line Chain Nose Pliers

Stock #	Description	Size
PL280.00	Chain Nose	4¾"

Thin Line Flat Nose Pliers

Stock #	Description	Size
PL280.05	Flat Nose	4¾"

Thin Line Round Nose Pliers

Stock #	Description	Size
PL280.10	Round Nose	4¾"

Thin Line Side Cutters

Stock #	Description	Size
PL280.15	Side Cutters Flush	4¾"

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Value Series Pliers

Consistent quality at an affordable price makes this series ideal for students and crafting. Value pliers and cutters feature PVC grips, double leaf springs, box-joint construction and a brushed finish. Available in both 4½" and 5" sizes.

Value Series Flat Nose Pliers

Stock #	Description
PL490.05	4½" Flat Nose Pliers
PL495.05	5" Flat Nose Pliers

Value Series Round Nose Pliers

Stock #	Description
PL490.10	4½" Round Nose Pliers
PL495.10	5" Round Nose Pliers

Value Series Side Cutters

Semi-flush side cutters in two sizes.

Stock #	Description
PL490.15	4½" Side Cutter
PL495.15	5" Side Cutter

Value Series Chain Nose Pliers

Stock #	Description
PL490.00	4½" Chain Nose Pliers
PL495.00	5" Chain Nose Pliers

Bow Pliers

Round Nose Pliers

Make loops and round bends with perfectly round and finely tapered tips on these pliers. German.

Stock #	Description
PL291	Round Nose

Bow Opening Pliers

For opening bows or stretching bows and links. Reverse action pliers enable the jaws to open when the handles are squeezed. Made in Germany of chrome vanadium steel. 5½" long.

Stock #	Description
PL729.00	Bow Opening

Bow Closing Plier with Brass Jaws

Used for rounding and closing small rings and bracelets without marring the outside surface. Pliers gently shape and round wire. They bend ring blanks and shanks to the shape desired. Sturdy stainless steel box-joint construction with no-mar brass jaw. 5½" long.

Stock #	Description
PL731.00	German Model
PL731.50	Economy Model

Chain Nose Pliers

Chain nose pliers feature smooth jaws with slightly beveled edges to avoid marring. The nose is tapered to a fine point for bending and most utility work. German.

Stock #	Description
PL286	Chain Nose

Small Bow Closing Pliers

Handy for reshaping small rings and bows. These small bow closing pliers offer a smooth stainless steel jaw, box-joint construction and PVC grips. 5¼" long.

Stock #	Description
PL732.00	Small Bow Closing

2010 Movement Catalog & 2012 Supplement

All About Pliers

Having the right plier for the job is essential for making the work easier as well as achieving successful results. Jules Borel & Co. stocks a wide array of plier shapes for utility and specialty applications for beginners to professionals.

Chain Nose: *Features smooth jaws with slightly beveled edges to avoid marring. The nose is tapered to a fine point for bending and most utility work.*

Flat Nose: *Allows you to grip flat objects and make right angle bends. The smooth jaws come to a fine, even taper.*

Round Nose: *Make loops, round bends and jump rings with the perfectly round and tapered tips.*

Side Cutters: *Fine slim head allows cutters to reach tight spaces.*

Parallel Action Pliers

These pliers have a unique parallel action design which allows the jaws to open and close parallel to each other, providing a vise-like grip and greater leverage than conventional pliers. All parallel action pliers measure 5" long.

Parallel Action Chain Nose Pliers

Stock #	Description
PL29E	Chain Nose, Smooth Jaw

Parallel Action Flat Nose Serrated Pliers

Stock #	Description
PL30E	Serrated, V-Slot

Parallel Action Flat Nose Smooth Pliers

Stock #	Description
PL31	Smooth Jaw

Beading Plier #1

Beading tool #1 pliers have the equivalent of a beading tool #14 tip. The tip can be modified by either filing slightly or enlarging with a ball bur. Use for setting and tightening accent diamonds and earrings with or without underbezel wires.

Stock #	Description
PL159.00	Beading Pliers #1

Beading Plier #2

Beading tool #2 pliers have the equivalent of a #20 beading tool tip. The tips can be modified by either filing slightly or enlarging with a ball bur. Use for holding stones while being set into wax models.

Stock #	Description
PL160.00	Beading Pliers #2

Gem Setting Pliers

Set and tighten diamonds and other gems without fear of breakage. These pliers give you 10 to 1 leverage by using a special cam-type feed. Precise control is accomplished by using a nut which prevents slippage and provides safety when squeezing prongs. Made in USA. 4 1/2" long x 2 1/4" wide.

Stock #	Description
PL100NS	Gem Setting Pliers
PL100	Mini Pliers

Watch Band Pliers

Jaws open twice as wide as most parallel jaw pliers for closing expansion band links.

Stock #	Description
PL100MW	Mini-Pliers

Power Set Pliers

Pliers can be used for setting virtually any size of stone. The bent jaw has a concave hole which works great on prongs or pavé stones. The straight jaw is milled so that the plier can be used on normal mountings. Made of high grade stainless steel. 5 1/2" long.

Stock #	Description
PL165.50	Power Set Pliers

Stone Setting Pliers

Stone Setting Pliers

Stone setting pliers have one smooth jaw and one notched jaw for bending and tightening prongs. The highly polished, fine jaws allow access to tight spots.

Stock #	Description	Length
PL46.348	German Model	5″
PL705.00	Standard Model	5″

Prong Opening Pliers

This plier is designed to open prongs without fracturing stones. The top jaw has a claw which grips the prong cleanly and the lower jaw is grooved to hold the prong. The plier puts no pressure on the top of the stone.

Stock #	Description	Length
PL132.00	Prong Opening Pliers	4½″

Perfect Set Pliers

Specifically designed for closing prongs on tennis bracelets efficiently and quickly. The angled jaw allows the user to properly bend the prong making setting jobs much easier. Perfect set pliers also work great for setting stones on pins, cuff links, coin rings and promotional jewelry.

Stock #	Description	Length
PL133.00	Perfect Set Pliers	5″

Prong Opening Pliers

These pliers feature a thinner claw to get behind prongs. The angle and length of the bottom jaw provides precise leverage to minimize damage to stones. The upper jaw is grooved so that it doesn't slip sideways on the prong.

Stock #	Description	Length
PL158.00	Prong Opening Pliers	5¼″

Prong Closing Pliers

These bent nose pliers have grooves so that the tip doesn't slip off the setting when closing prongs. Recommended for stone setters working with small prongs.

Stock #	Description	Length
PL155.00	Prong Closing Pliers	4½″

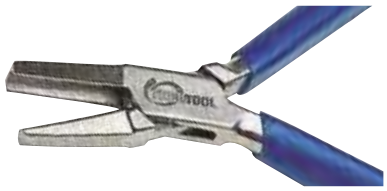
Bent Nose Pliers

Use these pliers for stone setting, small prongs and tennis bracelets. The 90° angle makes precise work easier because prongs are more visible to see and control. Measures 5" long with box-joint construction.

Stock #	Description	Length
PL756.00	Bent Nose Pliers	5″

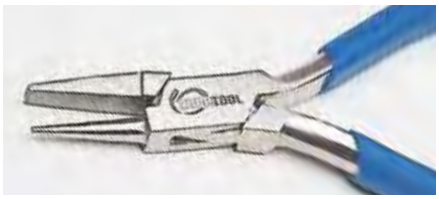
Bending Pliers

These pliers offer a stainless steel box-joint construction and PVC grips. Working surfaces are highly polished to prevent scratches.



Concave/Convex Ring Bending Pliers

Stock #	Description
PL750.25	5″Ring Bending Pliers



Round/Flat Nose Looping Pliers

Stock #	Description
PL750.35	5″ Looping Pliers

Narrow Jaw Bending Pliers

Bend smaller rings and finer shanks with these box-joint, half round jawed bending pliers. 6¼" long with PVC grips.

Stock #	Description
PL721.05	Narrow Jaw Bending

Flat/Half Round Bending Pliers

Stock #	Description
PL750.40	5″ Flat Bending Pliers

Round/Concave Bending Pliers

Stock #	Description
PL750.45	5″ Round Bending Pliers

Long Nose Pliers with Cutter

These lap-joint pliers are long-nosed with a smooth jaw. Includes a cutter. Handy for routine jobs, has coil spring and PVC grips.

Stock #	Description
PL661.00	5″ Long Nose Pliers

Bending Pliers

Bending and shaping pliers are used for many types of applications with a wide variety of shapes in several price ranges.

Concave/Convex jaws are made for bending and holding rings and are perfectly smooth to protect metals.

Round and flat jaws are designed for looping and bending wire or flat strips of metal.

Flat and half-round jaws are used to bend and shape flat metal and wire.

Round and concave jaws are perfect for making loops, bends, jump rings and other small rings.

Ergonomic Pliers

This new series of pliers offers true ergonomics and economy along with a fine head and very well-tapered jaws for fine or delicate work. Closely set, extra long handles relieve fatigue and stress on hands. 5¾" long.

Stock #	Description
PL270.00	Chain Nose
PL270.05	Flat Nose
PL270.10	Round Nose

Large Ring Bending

Use these lap-joint bending pliers with concave/convex jaws for shaping shanks and extra-heavy bending jobs. Rounded edges will not mar metal. Two models, 6½" in overall length.

Stock #	Description
PL720.00	German Model
PL720.05	Economy Model

Bending Pliers

Bending Pliers

Bending pliers feature replaceable non-marring nylon jaws for bending ring sizes 6 1/2 and larger. 5 1/4" long.

Stock #	Description
PL841.00	Bending Plier
PL841.05	Replacement Jaws
PL840.00	Bending Plier

Ring Bending Pliers

This plier will not scratch since the V-block is nylon and the upper jaw is a highly polished stainless steel. 5 1/4" long.

Stock #	Description
PL835.00	Ring Bending Plier
PL835.05	Replacement Jaws
PL840.00	Bracelet Bendingt

Heavy-Duty Ring Bending Pliers

These extra-heavy pliers are used for bending metal at right angles, closing bows and bending ring shanks. 6 1/2" long.

Stock #	Description
PL730.00	German Model
PL730.05	Economy Model

Deluxe Ring Bending Pliers

This large 6 1/2" German-made ring-bending plier has box-joint construction with PVC-grip handles for maximum leverage. Jaws are curved for shaping shanks, with the convex jaw being slightly thinner than the concave jaw. Ground edges on the concave jaw prevent marring to precious metals.

Stock #	Description
PL723.00	Ring Bending Pliers

Ring Bending Pliers

This box-joint plier has a exclusive shape to round any size ring. The lower concave jaw goes from 10.50mm to 17mm at the base. Surface is highly polished tool steel. The edges are rounded and will not mar precious metals. Total length is 6 1/2".

Stock #	Description
PL722.00	Concave Ring Bending Pliers

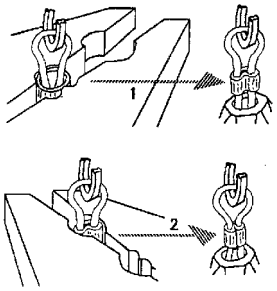
Simply the friendliest supplier on the planet!

Jules Borel started his watch part supply business in 1920. Since then, we have been a premier provider of quality materials, tools and supplies. Besides our comprehensive selection, we offer expert assistance to help you with your watch and jewelry repair challenges, and fast and economical delivery from our Heart of America location.

Call us weekdays 8-5 Central time or check the reference materials and place your orders at jules-borel.com, anytime day or night.

Bead Crimping Pliers

Use these bead crimping pliers to form a smooth, consistent and unobtrusive crimp using either round or tube crimps. Available in the traditional size or the newly developed microcrimper. Each plier comes complete with instructions.



Secure the two strands of wire in the crimping station, preferably with one wire on each side. Squeeze the pliers firmly.

Place the crimping bead into the rounding station sideways. Squeeze to form a smooth, rounded crimp.

Bead Crimping Pliers

Traditional long crimpers for 2-3mm crimping beads. 5 1/8" long with ergonomic grips.

Stock #	Description
PL585.00	Bead Crimper

Bead Microcrimping Pliers

Microcrimper for 1mm size crimps. 5 1/8" long with ergonomic grips.

Stock #	Description
PL586.00	Micro Crimper

Split Ring Pliers

This tool opens split rings easily. Just put the tooth jaw between the overlapping split ring and squeeze. The split ring pops open, ready to use. 5 1/2" long with ergonomic grips.

Stock #	Description
PL588.00	Split Ring Pliers

Thin-Jaw Loop Closing Pliers

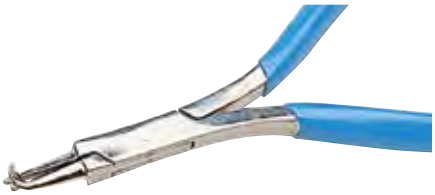
Small hollow jaws help hold and close jump rings and small loops. Made of stainless steel with PVC grips. Jaws are thin to reach into tight spaces. 5 1/2" long.

Stock #	Description
PL718.00	Thin Jaw Loop

Jump Ring Pliers

Easily close jump rings and get into tight spaces for soldering by using the bent, grooved jaws on these pliers. 4 1/2" long.

Stock #	Description
PL260.55	Jump Ring Pliers



Traditional Split Ring Pliers

Same as the split ring plier above, with traditional PVC handles. 5 1/4" long.

Stock #	Description
PL589.00	Split Ring Pliers

Solder Cutting Pliers

Solder cutting pliers will cut sheet solder in 1/16" squares or wire solder, up to 18 gauge in consistent 1/16" lengths. Fast and easy, it does not flip solder pieces and cuts the same amount every time. 5 1/2" long.

Stock #	Description
PL818.00	Solder Cutting Pliers

Linking Ring

Utilize a chain nose plier and a linking ring to open and close jump rings of various sizes with ease and accuracy without damage to other parts. Linking rings are stainless steel and have three different size grooves.

Stock #	Description
HO169.00	Linking Ring

Bergeon Watch Strap Notching Tool

Use this well-made tool to notch, with a rotating die plate to punch different sizes and shapes of half-round and rectangular holes. Includes wooden storage base.

Stock #	Description
BG6620	Swiss Band Notcher

PL830.00

PL831.00

Nylon Jaw Pliers

Nylon jaw pliers are a must for straightening wire, especially delicate or colored wire. Stainless steel, box-jointed with comfort grips. Available in three styles, one with a spring. Replacement jaws available.

Stock #	Description	Size
PL829.00	Thin Nose Nylon Jaw Plier	5¾"
PL829.05	Nylon Jaws for PL829.00, per Pair	
PL830.00	Nylon Jaw Plier	5¾"
PL830.05	Replacement Jaws for PL830.00, per Pair	
PL831.00	Nylon Jaw Plier with Spring	4¾"
PL831.05	Replacement Jaws for PL831.00, per Pair	

Beader's Delight Pliers

Designed for the bead and wire artist, this versatile plier is a true multi-tasking tool. It offers a round nose for coiling wire, a flat jaw for flattening, straightening or bending at right angles, a groove for closing coils or jump rings and a sidecutter. Made of stainless steel with a coil return spring and cushion grip handles for comfort. 4¾" long.

Stock #	Description
PL577.00	Beader's Pliers

Master Coiler

The Master Coiler was developed to make loops and coils without nicking precious wire. Hold the wire with the flat jaw while rotating the round jaw to form a perfect loop. Has comfort grips, non-rusting highly polished stainless steel jaws and a standard step-jaw for consistent loops and coils. 5¾" long.

Stock #	Description
PL747.00	Master Coiler

Wire Looping Pliers

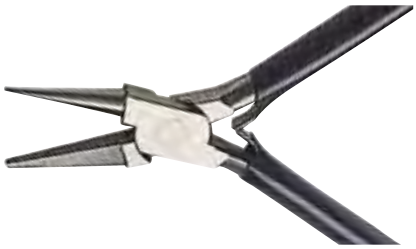
Stainless steel wire looping pliers, also known by model train enthusiasts as coupling pliers, enable the user to bend wire easily. Round jaws with three steps and concave jaws are highly polished. Has a durable box-joint. 5¾" long.

Stock #	Description
PL748.00	Wire Looping Pliers

Brass Jaw Flat Nose Pliers

Flat nosed pliers with brass jaws are box-jointed to enable the user to hold and bend metals scratch-free. The body of these pliers are rust-free stainless steel with double-leaf springs. 5" long.

Stock #	Description
PL755.00	Brass Jaw Flat Nose



Bracelet Pin Removing Pliers

Quality pin removers for watch bracelets. The round nose fits snugly into the recessed pin to snap it out cleanly. 5" long. Made in Germany.

Stock #	Description
PL136.05	Bracelet Pin Removing

Hole-Punching Pliers

Punch 2mm holes in leather or plastic bands with this handy plier. Great for sizing bands. 5 1/2" long.

Stock #	Description
PL138.00	Hole-Punching Pliers

Hole-Punching Pliers

Fine steel pliers with precise clearance cleanly punch a 1.5mm hole. Return spring and grip handles for comfort. 5 3/4" long.

Stock #	Description
PL138.05	Hole-Punching Pliers

Watch Strap Notching Pliers

Referred to as a "Gucci" plier, this cutter is for notching watch straps, eliminating excess inventory. Made of stainless steel, it cuts notches 2mm wide. 5" long.

Stock #	Description
PL816.00	Strap Notching Pliers

Spring Bar Curving Pliers

Grooved jaws help hold spring bars while curving. Nylon prevents marring. 5 1/4" long.

Stock #	Description
PL845.00	Bending Plier

Spring Bar Curving Pliers

Stock #	Description
PL-SB873	Bending Plier

Hole-Punching Pliers

Punch 1.8mm holes in sheet metal up to 18 gauge with these new pliers. Made of thick carbon steel with ergonomic handles, replacement pins are available.

Stock #	Description
PL133.50	Hole-Punching Pliers
PL133.51	Replacement Pins, 5-Pack

Wrap n' Tap Ring Looping Pliers

Jewelers can wrap ring stock around the barrel shaped jaw, utilizing the Wrap n' Tap pliers. Tap it slightly on a mandrel and instantly make a complete ring, half or quarter shank for repair. PVC covered lower jaw will not scratch or mar. Great bending tool for wireworkers. Made of stainless steel with PVC grips.

Stock #	Description
PL746.14	14mm Barrel, Ladies
PL746.19	19mm Barrel, Gents

Clip Spring Removing Pliers

Essential for adjusting the length of Seiko style watch bands. The flat jaw rests atop the link and the pointed tip fits under the clip spring. By gently squeezing, the clip spring pops up and can be removed to allow for sizing. 5 1/2" long.

Stock #	Description
PL136.01	Clip Spring Removing

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Heavy Duty Wire Shear

Cut gold or silver wire up to 12 gauge and hard wire up to 18 gauge. With maximum leverage and ergonomic design, this cutter uses a 90° shear action and return springs to assure a flush cut on both sides of the wire. 5½" long.

Stock #	Description
PL460.00	Heavy Duty Shear

Ring Shank Cutter

Ring shank cutter designed for ring shanks 2.5mm or less. One jaw flat and the other curved to conform to most rings, giving a clean, right angle cut so both sides can be easily rejoined. 5½" long.

Stock #	Description
PL461.00	Ring Shank Cutter

Compound Sprue Cutter

Economy version has jaws hard enough for gold, silver and other precious metals. Length of jaw is ⅞", total length is 10½".

Stock #	Description
PL787.00	Sprue Cutter

Hard Wire Shear Action Cutter

Hard wire shears with cushioned grips and a return spring cut 24 gauge hard wire or soft wire up to 12 gauge. Shear-type action cuts at a 180° angle, snapping or shearing tile and hard wire cleanly, without nicking or dulling. 5" long.

Stock #	Description
PL461.50	Hard Wire Shears

Power Max Cutters

Ergonomic compound power max cutters offer compound leverage combined with an induction-hardened, high-grade steel jaw for extra close cutting. The handles are shaped to be ergonomically efficient and prevent fatigue and possible injuries. 6½".

Stock #	Description
PL790.00	Semi-Flush Bevel
PL791.00	Flush Bevel

Bergeon Heavy-Duty Hand-Held Watch Band Shear

Compound end cutter for cutting mesh watch bands. Cuts clean with one closing action. Hardened steel jaws and locking system for when not in use protects edges. Cutting-edge ⅞" wide. Overall length 9½". Swiss.

Stock #	Description
BG6496	Band Cutter

Xuron Super Flush Cutters

Fine, engineered shears with an easy-return spring take less effort to cut. The ergonomically shaped, non-slip Xuro-Rubber™ grips and a glare-eliminating black finish contribute to operator comfort. Made in the USA.

Micro Shear Flush Cutter, 1mm capacity
PL9205

6" Maxi Shear, 2mm capacity
PL9183

Tapered Head Micro Shear, 1.6mm capacity
PL9160

5" Oval Head Micro Shear, 2mm capacity
PL9153

Precision Scissors, .8mm capacity
PL9158

6" Maxi-Shear with Retainer, 2mm capacity
PL9187

Tapered motor shaft provides centering and threaded shaft secures spindle.

Arbe Variable Speed Polishing Motor

- USA-made powerful variable-speed motor
- ½ HP for full torque at lower speeds
- Set polishing speed from 0–3450 RPM
- Motor height 10 3/8"
- Weight 32 pounds
- Two pairs of spindles included, as shown above

Stock #	Horse Power	Motor Width	Shaft Height
MO400	½	23″ Spindle to Spindle	7″

Spindles included with motor

Gray	*Remove Scratches to Satin*
Yellow	*Bright Final Finish Gold*
White	*Bright Finish Stainless Steel*

Diamantine® Rolex Compounds

Menzerna compounds achieve satin or bright finishes on high-end watches. Made in Germany.

Stock #	Color	Description
PSX406C	Gray	1.4 lbs.
PSX408F	Yellow	1.2 lbs.
PSX401F	White	0.60 lbs.

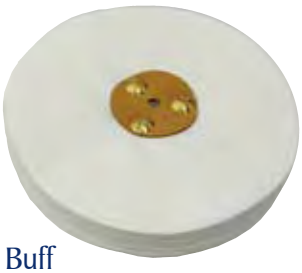
Ray Foster Variable Speed Polishing Motor

⅓ HP polishing motor operates at 300 to 4,000 RPM. Industrial-grade. Sealed ball bearings never need lubrication.

- Motor ⅓ hp Double Spindle
- Power 110v 60Hz
- Motor height 7¾"
- Base measures 7½" x 6¾"
- Weight 27 pounds
- Left and right spindles included

Stock #	Horse Power	Motor Width	Shaft Height
MO390	⅓	18″ Spindle to Spindle	5¼

**Jules Borel & Co. is not authorized by, nor affiliated with Rolex Watch, U.S.A., Inc.*



Rolex Buff

Fine, white linen brush recommended by Rolex. To be used with Menzerna PSX401F and PSX402F for final finish. 72 plies. Measures 150mm in diameter and 3/4" thick. Leather center and brass screws. Made in Germany.

Stock #	Diameter	Ply
BF170.845	150mm	72

Foredom Bench Lathe with 5/16" Shafts

Featuring dial controlled variable speed from 1800 to 7000 RPM, this bench lathe motor is only 13" wide and 5 1/8" tall. The width of the motor between the spindles is 13". The hoods are 6 1/2" high x 4 5/8" wide x 8 5/8" deep. Use the motor with brushes, buffs, abrasive wheels and other accessories that have 1/4" center holes. The high torque 1/6 HP motor is well suited for use with accessories up to 4" in diameter. Mandrels for wheels with 1/4" holes and a collet holder for small brushes may be purchased separately. 7 1/2 pounds. 115 volts.

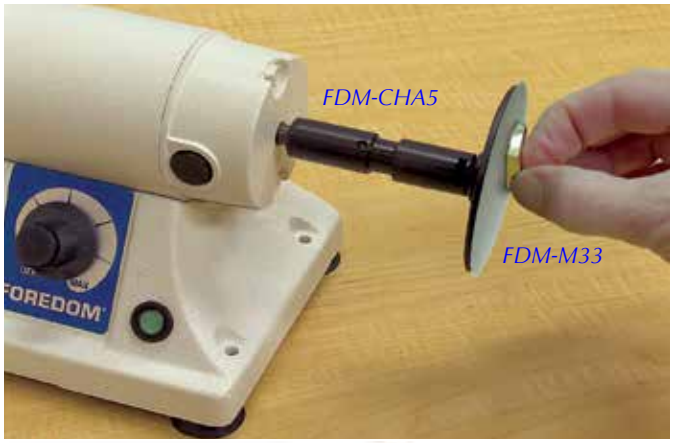
Stock #	Description
FDM-BL-DCH	Motor with Left and Right Spindles, with Hoods

Stock #	Description
FDM-BL	Motor with Left and Right Spindles Only

Foredom Dust Collector Hood

Hood has 2 1/2" adapter that fits most collection system hoses. 6 1/2" H x 4 5/8" W x 8 5/8" D.

Stock #	Description
FDM-DCH1	Hood Only



3M™ Trizact Discs

Micro-replication technology creates aluminum oxide pyramids for fast, consistent cutting rates. Use wet or dry on all metals for removing metal, smoothing or prepolishing. Long lasting, in packs of 10.

Stock #	Description	Grade	Grit
AB5712	3/4" Disc Stick-On	A80	220
AB5713	3/4" Disc Stick-On	A45	400
AB5714	3/4" Disc Stick-On	A30	600
AB5716	3/4" Disc Stick-On	A16	1200
AB5718	3/4" Disc Stick-On	A6	2500
AB5732	2" Disc Stick-On	A80	220
AB5733	2" Disc Stick-On	A45	400
AB5734	2" Disc Stick-On	A30	600
AB5736	2" Disc Stick-On	A16	1200
AB5738	2" Disc Stick-On	A6	2500
FDM-M33	1/4" Mandrel to Hold 2" Trizact Discs		
FDM-M4	1/8" Mandrel to Hold 3/4" Trizact Discs		
FDM-CHA5	Spindle for 5/16" Shaft, for M33 Mandrel		
FDM-443	Collet for FDM-CHA5 to Hold M4 Mandrel		

News you can use

Your monthly statement contains the Tick Tock Talk newsletter, full of new products, specials, information and more. We suggest you save these for reference. They can be filed or placed in a three-ring binder. You can also find recent back copies on our home page at www.julesborel.com.

½ HP Single Spindle Polisher

This compact unit vents the exhaust out the side which enables you to place it up against a wall. Accommodates 5" buffs. 110 volts, ½ HP and 3450 RPM. Measures 15⅜" W x 10¼" H x 17" D. Made in the USA.

Stock #	Description
DC1050A	Single Spindle
DC117XL	Replacement Filter 12 15/16 x 9¾ x 2

Double Spindle Spacesaver Collector

Unit is equipped with all of the features found on the DC3176/1 larger dust collector, but with the space saving efficiency of a compact design. Made in the USA.

Specifications:

- Shaft Height: 4"
- Horsepower: ½
- Dimensions: 22½" W x 12" H x 19" D
- Filter Size: 22" W x 12" H x 2" D
- Power: 110v 60 Hz
- Weight: 55 pounds

Stock #	Description
DC2039	Polisher Collector
DC2039/1	Replacement Filter
DC2039.008	Plastic Front Shield Option

1/2 HP Polishing Motor

Standard ½ HP, 115 volts, 60 Hz., 3450 RPM. Shaft Height 4 inches.

Stock #	Description
MO335	½ HP Motor

Bench Top Double Spindle ½ HP Polishing Unit

With a squirrel-cage blower sealed in an insulated cabinet, this unit provides the strongest suction in its class. It has a hinged lid for easy filter replacement and a powder coated finish. Made in the USA.

Specifications:

- Shaft Height: 4"
- Horsepower: ½
- Dimensions: 32½" W x 12" H x 22" D
- Filter Size: 30" W x 12" H x 2" D
- Power: 110v 60Hz
- Weight: 75 pounds

Stock #	Description
DC3176/1	Double Polishing
DC3176/2	Replacement Filter

Dust Collector with Double Spindle Motor

Grobet dust collector with Baldor ¼ hp motor. 33½" W x 11" H x 22" D.

Stock #	Description
DC3176/3	¼ HP, 2-Speed
DC3176/4	½ HP, 1-Speed
DC3176/0	Collector Only
DC126	Replacement Filter 32 x 10 x 2

ARBE Professional Dust Collection Systems

Keep your shop cleaner and safer when polishing. Use premium dust collectors with wall-sealed cabinets and silencers to eliminate vibrations and noise. Ultra-fine cotton sateen filter bags collect particles as small as one micron. A bag shaker pedal and large pullout pan ensure trouble-free cleaning. Made in the USA.

Hurricane 1000C

Specifications:

- Stations: 2, 3, or 4
- Suction Motor Horsepower: 1
- Air Flow: 1000 cubic feet per minute
- Dimensions: 22½" W x 25" D x 39" H
- Filter Area: 90 Square Feet
- Finish: Powder Coated
- Power: 110v 60Hz 15 Amps
- Weight: 200 lbs.

Stock #	Description
DC3101	Hurricane 1000C
DC150FB	Filter Bag Set

Tornado 400C

Specifications:

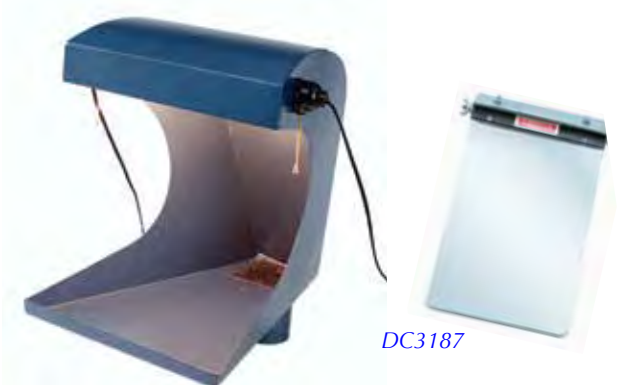
- Stations: 1 or 2
- Suction Motor Horsepower: 1/2
- ir Flow: 400 cubic feet per minute
- Dimensions: 15" W x 14¾" D x 21" H
- Filter Area: 15 Square Feet
- Finish: Powder Coated
- Power: 110v 60Hz 9 Amps
- Weight: 85 lbs.

Stock #	Description
DC3001	Tornado 400C
DC149FB	Filter Bag Set

Open Polishing Hood

Made of heavy gauge sheet steel and finished in a textured, baked blue enamel with a 3" suction inlet at the bottom back. Equipped with two light sockets, cords and metal filter screen. Shipping weight: 9 pounds. 12¾" W x 15" H x 16" D.

Stock #	Description
DC3186	Hood
DC3186/1	Replacement Screen
DC3187	Plastic View Shield



DC3187

A typical polishing setup includes one collector, two hoods, one ten-foot package of hose and four clamps.

Left side shows cartridge compartment

Right side shows HEPA filter

Cartridge Dust Collectors

Specifications:

- Stations: 2 or 4
- Suction Motor Horsepower: 1
- Air Flow: 1100 cubic feet per minute
- Dimensions: 29" W x 18" D x 21" H
- Filtration: Filters to .3 Micron
- Finish: Powder Coated
- Power: 110v 60Hz 1 Ph
- DbA: 59
- Weight: 157 lbs

Stock #	Description
DC-CFS8	Collector, 4 Station
DC-CFS8/2	Collector, 2 Station
DC-CFS8.001	Replacement Cartridge Filter
CSFD-920.001	Replacement HEPA Filter

Cartridge Dust Collectors

Specifications:

- Stations: 2
- Suction Motor Horsepower: 1
- Air Flow: 830 cubic feet per minute
- Dimensions: 28" W x 14" D x 16" H
- Filtration: Filters to .3 Micron
- Finish: Powder Coated
- Power: 110v 60Hz 1 Ph
- DbA: 59
- Weight: 97 lbs.

Stock #	Description
DC-CFS4	Cartridge Collector
DC-CFS24.01	Replacement Cartridge Filter
DC-CFS24.02	Replacement Pre-Filter, 12 Filters

Enclosed Polishing Hood

The most innovative completely enclosed hood in the industry. Made of heavy gauge sheet steel. Captures 100% of polishing rouge and dust. Shipping weight: 23 pounds. 14" W x 15" D x 15 1/4" H .

Stock #	Description
DC3189	Enclosed Hood

3" Flex-Hose

Flexible industrial hose to use with dust collecting accessories. Ten-feet long. Cut in half to use on both sides.

Stock #	Description
DC3166/C4	10′ Hose
DC3166/C6	3″ Metal Clamp

ARBE Variable Speed Polishing Motors

Sealed super-flow hoods, 100% of air collected, ½ hp variable speed polishing motors. Standard threaded spindles & bolt-on spindles, 1/2" wheel hole included. Filters to .3 micron particle size. USA made.

Double Spindle Dust Collector

- 48"W x 28"D x 58"H with 43" high work table
- Table size can be ordered as small as 40"W x 24"D
- ½ hp variable speed polishing motor
- 1 hp suction motor
- 1100 cubic feet per minute of air flow suction
- Cartridge filter series for the best filtration
- HEPA exit air filter eliminates allergens, dust and pollen in shop

Stock #	Description
DC-CFSD920	Double Spindle Dust Collector

Double Spindle Dust Collector

- 48"W x 28"D x 55.5" H with 40½" high work table
- ½ hp variable speed polishing motor
- ½ hp suction motor
- 400 cubic feet per minute of air flow suction
- Custom attachment is available to vent air outside building

Stock #	Description
DC-MMD948.005	Double Spindle Dust Collector

Single Spindle Dust Collector

- 26"W x 24"D x 55.5" H with 40½" high work table
- ½ hp variable speed polishing motor
- ½ hp suction motor
- 400 cubic feet per minute of air flow suction
- Custom attachment is available to vent air outside building

Stock #	Description
DC-MMD946.002	Single Spindle Dust Collector

DC1360

Hurricane 1001T

Deluxe stand-up mode:

- Stations: 2, 3, or 4
- Motor: ½ HP Double Spindle 3650 rpm or variable
- Suction Motor Horsepower: 1
- Air flow: 1000 cubic feet per minute
- Dimensions: 48" W x 28" D x 60" H
- Table Height: 40"
- Filter Area: 90 Square Feet
- Power: 110v 60Hz 15 Amps
- Weight: 350 pounds

Stock #	Description
DC1360	With ½ HP double-spindle motor, 3650 RPM
DC1364	With ½ HP MO400 Variable-speed motor
DC150FB	Filter Bag Set

Tornado

Sit-down and stand-up models:

- Stations: 1 or 2
- Motor: ½ HP Double Spindle 3650 rpm
- Suction Motor Horsepower: ½
- Air Flow: 400 cubic feet per minute
- Dimensions: 40" W x 22" D x 50" H
- Table Height: 30 or 40"
- Filter Area: 15 Square Feet
- Power: 110v 60Hz 9 Amps
- Weight: 200 or 220 pounds

Stock #	Description
DC4360	30″ Sit-down
DC4360/40	40″ Stand-up
DC149FB	Filter Bag Set

Tornado Single

Sit down and stand up models:

- Stations: 1
- Motor: ½ HP Single Spindle 3650 rpm
- Suction Motor Horsepower: ½
- Air Flow: 400 cubic feet per minute
- Dimensions: 24" W x 24" D x 48" H
- Table Height: 33" or 40"
- Filter Area: 15 Square Feet
- Power: 110v 60Hz 9 Amps
- Weight: 200 or 220 pounds

Stock #	Description
DC4361	Tornado 33″ Table Height
DC4361/40	Tornado 40″ Table Height
DC149FB	Filter Bag Set

Polishing Cloths

Borel Rouge Polishing Cloth

The inner part of this two-part cloth is filled with rouge and the outer cloth is plain to use as a final polishing cloth. Individually poly bagged and suitable for resale. 9" x 11".

Stock #	Description
PS260	Borel Rouge Cloth

Borel White No-Rouge Cloth

Polish brass, chrome, copper, silver and gold without getting rouge on your hands. Borel No-Rouge Polishing cloths are treated with a newly developed chemical agent which cuts through tarnish better than other cloths. Inhibits tarnish from reappearing. 10" x 12".

Stock #	Description
PS261	Non-Rouge Cloth

Ultra-Soft Connoisseur's® Polishing Cloth

Rougeless, dual-cloth buffing system cleans and buffs gold and silver jewelry. Ultra-soft for silver, lifts tarnish while leaving a protective, anti-tarnish coating. 11" x 14". Packaged individually for resale.

Stock #	Description
PS270	Gold Jewelry Cloth
PS271	Silver Jewelry Cloth

Blitz Care Cloths

Use the inner cloth to remove tarnish and the outer cloth to polish.

Stock #	Description
PS9618	12″ x 15″ Silver Polishing Cloth
PS9617	12″ x 15″ Jewelry Care Cloth

Shino Polishing Cloth

Large two-part rouge cloth has an inner rouge-saturated cloth which measures 12" x 10" and an outer final polishing cloth that is 14" x 11".

Stock #
PS265

News you can use

Your monthly statement contains the Tick Tock Talk newsletter—full of new products, specials, information, and more. We suggest you save these for reference. You can also find recent Tick Tock Talk newsletters on our home page at julesborel.com.

JBorel Cleaning Cloth

This washable, lint-free, selvyt-type cloth is used by some of the nation's largest jewelry chains. With a minimum order of one gross, you can have your store logo imprinted for a small additional cost. Call for details.

Stock #	Size
PS240	5″ x 5″
PS242	10″ x 10″

SoftShine Polishing Cloth

Non-treated, individually packaged cloth is lintless and absorbent. 10" square.

Stock #	Description
PS807.00	Soft Shine

SimiChrome Polish™

This great polishing paste wipes on and off easily to reveal a brilliant shine. Made in Germany. 50-gram tubes.

Stock #
PS3900

Lintless Blue Cloth for Diamonds

Lintless cloth is perfect for removing oils and other contaminants from diamonds and precious stones. This 9" x 10" synthetic cloth works great and looks great on the retail counter.

Stock #	Description
PS805.00	Lintless Blue

Chamois Polishing Cloth

Chamois leather is recognized as the perfect material for polishing all types of metals. Use this genuine 10" x 10" chamois for the final polish.

Stock #	Description
PS175.00	Chamois

3M Tarni-Shield™ Silver Cleaner

Tarni-Shield cleans and polishes silver beautifully. Anti-tarnish protector helps keep your silver pieces tarnish-free for months. Rose-mint formula in 10-ounce bottle. Contains no abrasives.

Stock #	Description
CL625A	Silver Cleaner

Polishing Accessories

Safety Glasses

Spectacle-style safety glasses with protective side covers. Protect your eyes when finishing, polishing or using solutions.

Stock #	Description
BT446	Safety Glasses

Safety Goggles

Safety goggles have pliable wide edges to fit face, an elastic headband and ventilation holes. Can be worn over regular glasses. Protect your eyes when finishing, polishing or using solutions.

Stock #	Description
BT440	Safety Goggles

3M Disposable N95 Polishing Dust Masks

These respirators are NIOSH/MSHA approved for mists and dusts, including lead. Breathing is cleaner than using non-disposable masks and filters.

Stock #	Description
DC8210	Box of 20 Masks

Sticky Mat

Keep your clean room cleaner by capturing dirt from the bottom of shoes. Install in the doorway, then pull corner tab to remove individual sheets. Contains 120 mats in four sets of sheets numbered 1-30.

Installation :

- Remove the protective covering from the adhesive bottom sheet, and lay the mat on the floor.
- Step on the mat—especially the edges—to positively secure it to the floor.
- Peel off the protective film on the top of the mat.
- When the exposed sheet is contaminated, peel it off and discard it, exposing a new clean sheet for use.

Stock #	Description
CL2645	26″ x 45″ Sticky Floor Mat
CL1836	18″ x 36″ Sticky Floor Mat

Disposable White Shop Apron

Handy, convenient and sturdy enough to wear several times. Made from 100% white polypropylene, measures 28” x 36”. Sold by the box of 10.

Stock #	Description
PS110	10 Disposable Aprons

Shop Aprons

Protect your clothes when soldering, polishing or using solutions. Black cotton sateen apron is fire-resistant, and features a pen pocket, low hip pocket and a catch pocket at the hem. Neck strings utilize a handy slide instead of tying. Machine wash and tumble dry. 29” x 38”.

Basic shop apron is made in the USA of first quality 12-ounce dark blue denim. This washable apron features breast and waist pockets. 28” x 36”.

Stock #	Description
PS900	Basic Denim Shop Apron
PS901	Fire-resistant Black Cotton Apron

Rubber Finger Cots

Keep fingerprints and moisture off movements and parts while handling. Swiss. Sold in packages of 144 .

Stock #	Type	Size
BG5840M/144	Latex	Medium
BG5840L/144	Latex	Large
BG5840XL/144	Latex	X-Large
BG5842M/144	Latex-Free	Medium
BG5842L/144	Latex-Free	Large
BG5842XL/144	Latex-Free	X-Large

Disposable Gloves

Protect your skin when polishing, finishing or using solvents and solutions. Available in three sizes and made from either latex or powder-free, nonallergenic nitrile polymer. Fits either hand. Box of 100.

Stock #	Description
PS102	Small Latex Gloves
PS100	Medium Latex Gloves
PS101	Large Latex Gloves
PS105	Medium Nitrile Gloves
PS106	Large Nitrile Gloves

White Cotton Gloves

Protect jewelry, silverware, etc. from fingerprints, spotting and tarnishing. One size fits most hands. The lighter weight version is slightly smaller than the heavyweight style. Twelve per package.

Stock #	Style
PS256	Heavyweight
PS258	Lightweight
PS258S	Lightweight Small

Face Shield

Cushioned, adjustable vinyl sweat band. Made of lightweight plastic which provides full face coverage.

Stock #	Description
BT435	Face Shield Complete
BT436	Replacement Clear Visor

Leather Finger Guards

Full length split leather with superior wrap-around style and elastic comfort back. Maximum protection for all jewelry-making operations.

Stock #	Description
PS380	Open End Finger
PS381	Open End Thumb
PS382	Closed End Finger
PS383	Closed End Thumb
PS384	Open End Wool-Lined Finger

Rubber Finger Cots

Made of soft, molded rubber to provide comfortable protection from oil, dirt and grime.

Stock #	Size
PS390	Small
PS392	Medium
PS393	Large
PS394	X Large

Polishing Gizmo

For bracelets, chains and rings for polishing. Made of hardwood varnished so the surface will repel rouge.

Stock #	Description
HO175	Polishing Gizmo

Wood Polishing Mandrel

Designed specifically to hold rings safely and securely while polishing. Made of straight-grained tapered hardwood. 9" long.

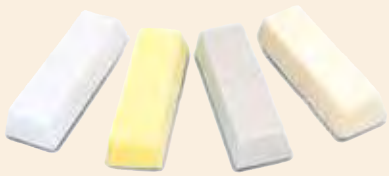
Stock #	Description
MD116.00	Polishing Mandrel

Finger Pro

Finger Pro wraps around fingers to protect from cuts, burns and abrasions. Finger Pro allows the user to handle small items. This unique tape sticks only to itself, not to your skin. Available in 3/4" widths. 90-feet rolls.

Stock #	Description
PS250.00	3/4" Finger Pro

Polishing Compounds



Rouge Sticks

First quality rouges for various polishing needs are available in many compositions.

Rouge in Peel-off Tubes

Eliminate the mess of broken bars. Peel-away cardboard tube exposes only the amount needed.

Green Rouge

Use on white gold, platinum, chrome and stainless steel.

Stock #	Description
PS47.321	6oz. Peel-A-Way
PS47.407	¼ lb. Bar

White Rouge

Use on platinum, chrome and stainless steel.

Stock #	Description
PS47.410	¼ lb. Bar
PS47.326	7oz. Peel-A-Way

Yellow Rouge

Very dry, low-residue rouge made for gold, platinum and other hard metals.

Stock #	Description
PS47.425	¼ lb. Bar
PS47.0289	⅝ lb. Bar
PS47.327	6oz. Peel-A-Way

Royal Velvet Red Rouge XXG

Deep red rouge for high luster on gold, silver plate and sterling.

Stock #	Description
PS47.323	7oz. Peel-A-Way
PS47.416	¼ lb. Bar
PS47.419	½ lb. Bar
PS47.422	1 lb. Bar

Red Rouge

Use to add high luster and color to gold. ¼-pound specialty red bar.

Stock #	Description
PS47.401	¼ lb. Bar Deep Red

Water Soluble-Red Rouge

This red rouge is water soluble to speed up cleaning time.

Stock #	Description
PS47.324	7oz. Peel-A-Way

Black Rouge

Gives a rich dark coloring on white gold, silver and platinum.

Stock #	Description
PS47.320	5oz. Peel-A-Way

Blue Platinum

Removes small scratches and prepares for final polishing of platinum.

Stock #	Description
PS47.42001	Blue Platinum 5oz.

Pumpkin Platinum

Final finish for platinum.

Stock #	Description
PS47.420	5oz. Pumpkin

Picasso Blue Polishing Compound

Polishes platinum or gold. Removes cleanly in an ultrasonic cleaner.

Stock #	Description
PS185.777	3″ x1¼″

Fabulustre™ Rouge

One step formula for finishing precious and decorative metals. Removes scratches and leaves a high luster finish. Greaseless and clean.

Stock #	Description
PS47.312	4oz. Peel-back Tube
PS47.313	1 lb. Peel-back Tube

Zam™ Rouge

Zam is formulated for silver and turquoise jewelry and will not harm soft stones like turquoise. Will not cling or penetrate surface of stones.

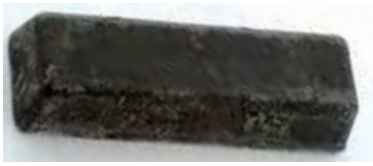
Stock #	Description
PS47.502	4oz. Peel-back Tube
PS47.503	1 lb. Peel-back Tube

White Diamond Tripoli

Creates satin finish.

PS47.448: XXXX Grit, 1 1/4 pounds.
PS47.454: XXX Grit, 2 pounds.

Stock #	Description
PS47.448	Gold, Silver, Platinum
PS47.454	Brass, Copper, Bronze, Nickel



Graystar-69

Excellent for removing scratches.

Stock #	Description
PS47.0349	1 1/4 lb. Bar

Platinum Tripoli

Use for platinum and hard metals.

Stock #	Description
PS47.446	1 lb. Bar

Bobbing Compound

Rapid cutting for brush or lap work.

Stock #	Description
PS47.431	1 lb. Bar

Emery

For iron, steel and hard metals for removing scratches and rust.

Stock #	Description
PS47.331	5oz. Peel-A-Way

Gray — *Remove Scratches to Satin*
Yellow — *Bright Final Finish Gold*
White — *Bright Finish Stainless Steel*

Diamantine® Rolex Compounds

Menzerna compounds achieve satin or bright finishes on high-end watches. Made in Germany.

Stock #	Color	Description
PSX406C	Gray	1.4 lbs.
PSX408F	Yellow	1.2 lbs.
PSX401F	White	0.60 lbs.

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Blue Magic

Blue Magic will polish platinum and stainless steel.

Stock #	Description
PS605.00	Blue Magic

Polinum Finishing Compound for Platinum & Watch Cases

This compound leaves a mirror finish, without excessive residue for easy clean up. It is made to polish very hard, high-quality stainless steel or platinum and is ideal for refinishing high quality cases.

Stock #	Description
PS185.751	1/4 lb. Finish Compound

Polyimide Tape

Tape off areas to remain shiny when applying a satin finish to part of a band. The silicon-based adhesive is easy to remove. Rolls are 108 feet.

Style #	Width
TA-M7010	1mm
TA-M7020	2mm
TA-M7030	3mm
TA-M7040	4mm
TA-M7044	4.4mm
TA-M7050	5mm
TA-M7065	6.5mm
TA-M7070	7mm
TA-M7080	8mm
TA-M7090	9mm
TA-M7100	10mm

Dots

500 pieces per pack.

TA-M7218	1.8mm
TA-M7224	2.4mm

Menzerna Crystal Compound

Remove scratches from old plastic crystals. 3 1/4 pound bar. German.

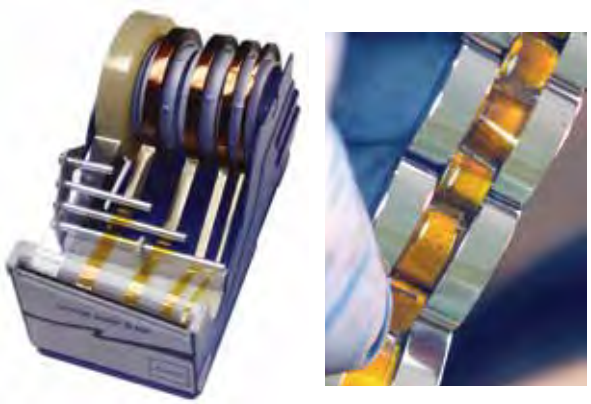
Stock #	Description
PSX399	Crystal Polish

Plastic Rouge

Polish plastic watch crystals.

Stock #	Description
PS47.322	5oz. Peel-A-Way
PS47.310	1/4 lb. Crystal Kleer

Polishing Compounds



Multiple Roll Tape Dispenser

Use with polymide tape.

Stock #	Description
TA7346	Multiple Roll Dispenser

Deluxe Luxor Rouge Assortment

Eight different compounds are attractively presented in a cardboard box. Each rouge compound is available separately for reordering.

Stock #	Description
PS185.740	Rouge Assortment

Rouges Available Separately

- Pink: Remove major marks from all metals
- Green: Remove minor scratches from all metals
- Gray: Prepare for polishing platinum
- Blue: Finish non-ferrous metals such as brass
- White: Finish platinum, white gold and stainless steel
- Yellow: Finish yellow and pink gold
- Orange: Finish all precious metals, platinum
- Dark Red: Finish yellow gold

Stock #	Description	Grit/Microns
PS185.745	Pink	6.5
PS185.746	Green	3
PS185.747	Gray	1
PS185.748	Blue	1
PS185.749	White	0.3
PS185.752	Yellow	0.5
PS185.753	Orange	0.1
PS185.754	Dark Red	Finest

Powdered Compositions

Use with hand buffs, brushes, felts and wood laps. Mix with water or fine oil to form a paste to impart a luster.

- Red Rouge: Platinum, gold and silver
- Tin Oxide: Lens polishing, glassware, and fine steel
- Linde A: Precious gems, gold, silver and other metals
- Ruby Powder: High luster to platinum, gold, steel, precious stones, pearl, ivory, horn shell and porcelain
- Pumice Powder: Scrubbing, cleaning or polishing.

Stock #	Description	Weight
PS47.510	Red Rouge	1 lb.
PS47.516	Tin Oxide	1 lb.
PS47.520	Linde A	1 oz.
PS47.524	Ruby	1 oz.
PS47.525	Ruby	½ lb.
PS23.400	Pumice-flour, 200 Mesh	1 lb.
PS23.401	Pumice-fine, 150 Mesh	1 lb.
PS23.402	Pumice-medium, 80 Mesh	1 lb.

Diamantine Polishing Powder

Use this polishing powder to put the final finish on parts and tools. 15 grams.

Stock #	Description
BG6807-EF15	Extra-Fine H3
BG6807-M15	Medium H1
BG6807-R15	Coarse H0

Boxwood Polishing Sticks

Charge with abrasives to polish stones. Use with shellac to hold stones.

Stock #	Description
PS47.581	Round 7″ x ¼″
PS47.586	Square 7″ x ¼″

Chamois Hand Buffs

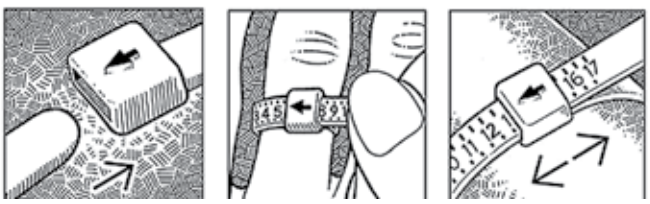
Strips of chamois are glued to an 11” long wooden handle. Polish, clean and finish metals and stones.

Stock #	Size
BG1282A	½″- 12mm
BG1282D	¼″ - 6mm

Finger Gauges

Nickel-plated guages. Graduated in U.S. standard half sizes. Select flat, half round or wide ring. The wide finger gauge helps avoid resizing due to twisting narrow gauges over the knuckles.

Stock #	Description	Sizes
GA186A	Flat, 2mm	Half Sizes, 0-15
GA187	Wide Flat, 6.1mm	Half Sizes, 1-15
GA188	Half Round Thin, 3.5mm	Half Sizes, 0-15
GA189	Wedding, Half Round, 6mm	Half Sizes, 1-15
GA250	Comfort Fit, Inside Round, 7.5mm	Half Sizes 1-15
GA254.00	Jumbo, 3mm	Half Sizes, 16-24



Multisizer Finger Sizers

Inexpensive sizer is accurate in sizes from 0-17 in full, half and quarter sizes. Gives accurate size regardless of size of joint/knuckle. They are flat enough to be mailed in an envelope.

Stock #	Description
GA35.250	Multisizer

Plastic Finger Sizers

Allow customers to determine finger size of gift recipients by lending or giving away these inexpensive ring sizers.

Stock #	Description
GA195	Plastic Ring Gauge

Pop-out Ring Sizers

In this plastic ring gauge, each size is accurately made and can be popped out for the customer to try on. Easy-to-store at 4½" x 7½" x ⅛". Ring sizes 2½ to 14.

Stock #	Description
GA895	Pop-out Ring Gauge

Stainless Steel Ruler

Steel ruler. Measures to 6" and 15cm. Use for measurements or scribing lines. Measures in inches and millimeters.

Stock #	Description
GA199	Steel Ruler, 6"

Stainless Steel Ruler

Steel ruler. Measures to 12" and 30cm. Use for measurements or scribing lines. Measures in inches and millimeters.

Stock #	Description
GA112	Steel Ruler, 12"

GRS® Ring Size Cutter

Simplify ring downsizing by quickly removing an exact amount of ring shank. By design, the cut is always parallel and precisely to size. You simply choose the cutter width that equals the amount to remove. For example, the 3/4" cutter will make the ring 3/4 of a size smaller. There are seven cutters from 1/2 to size 2, in 1/4 size increments. Mounts onto bench. Made in the USA.

Stock #	Item
GRS004-642	Ring Size Cutter
GRS004-585	Replacement Cutter

Beaver Ring Cutter

Deluxe, ultra-comfortable ring cutter is made of satin chrome finished metal parts, set in a molded blue plastic handle with an ergonomic design. Comes with standard blade. Made in the USA.

Stock #	Item
PL48.220	Ring Cutter
PL48.222	Turning Key Only
PL48.224	Standard Replacement Blade
PL48.225	High Speed Steel Blade

Fast, Friendly Service

We make every effort to ship as many orders as we can the same day. The cut-off time for same day shipping of overnight orders is 3:00pm Central. Do we have your email address? You will receive an email confirmation when your order is received and again when shipped.

Standard Ring Cutter

This model has been a standard for jewelers for years. Strong and lightweight, will cut rings safely without exposing fingers to the sawblade.

Stock #	Description
PL33J	Ring Cutter
PL34J	Replacement Blade
PL34J/1	Screw for Handle
PL34J/2	Saw Turning Key
PL34J/3	Blade Removal Key
PL34J/5	Bushing Only (Lock Nut)

Power Ring Cutter

This ring cutter has the addition of an axle which can be used with standard 1/4" hex cordless screwdrivers to provide for quicker and easier cutting.

Stock #	Description
PL814.15	Ring Cutter with Adapter
PL34J	Replacement Blade
PL814.05	Replacement Axle

Economy Ring Cutter

Traditional ring cutter with comfortable textured handle.

Stock #	Description
PL2430	Ring Sizer
PL2431	Ring Sizer Blade

Black Nylon Ring Clamp

Made of tough, resilient, mineral-filled nylon. Outlasts wood. Perfectly aligned, thick leather jaws provide a strong grip.

Stock #	Description
RN530	Nylon Ring Clamp

External Ring Gripper

Holds rings from the outside, leaving the inside perimeter free for polishing. Has two different sized notches for smaller and larger size rings.

Stock #	Description
RN540	External Ring Clamp

Mark-a-Size

Accurately scribe cutting lines when sizing rings. Twelve sizes graduated in quarter-ring sizes from 1/4 to 3. Folds to protect hardened steel edges.

Stock #	Description
RN705	Mark-a-Size

Deluxe Wood Ring Clamp

Handy clamp is ideal for holding rings to be polished or filed. Made of smooth, polished wood with leather lined jaws. Heavy-duty pivoting hinge keeps jaws perfectly aligned at all times for a firm grip and long life.

Stock #	Description
RN505	Maple Ring Clamp
RN48.126	Mahogany Ring Clamp

Ring Stretcher

Stretch rings sizes 3-15 using a six-spline mandrel. RN550 also has a ring die that contains 16 countersunk formed and finished holes for reduction. Bolts to bench. 5" W x 7" D x 17" H.

Stock #	Description
RN550	Stretcher/Reducer
RN750.00	Ring Stretcher Only

RN535

RN537

Kirkland Standard Ring Clamps

RN535 clamps from the side for polishing and stone setting. Holds from the inside for total circumference polishing and buffing. RN537 clamps from the outside and also holds a ring for inside access. Metal construction conducts heat away from the lined jaws and ring. Holds ring sizes 1-13. 5 7/8" long.

Stock #	Description
RN535	Ring Clamp
RN537	Ring Clamp

Jewelry & Watch Findings

Designed to fit on your bench, our Findings Catalog is printed without prices so you can show styles to your customers. Download and print the current price list from our website. The pocket on the back cover allows you to conveniently store the pricelist.

Rolex Generic Tools

Stock #	Description
STK1060/OLD	Men's Old Style

Stock #	Description
STK1053/OLD	Ladies' Old Style

Stock #	Description
STK1060	Men's New Style

Stock #	Description
STK1053	Ladies' New Style

Rolex Tap Set

Tap set for Rolex. Ladies 5.3mm. Gents 6.0mm.

Stock #	Description
STK2530	Set of 2 Taps

Autoweight Stakes

Stock #	Description
STK1530	1500/1570 Calibers
STK2030	2030 Calibers
STK2130	2130/2135 Calibers
STK2235	2235/ Calibers
STK3035	3035/3135 Calibers
STK1223	Set of 4: 1570, 2135, 2235, 3035

Rolex Tools Assortment

STK1053/OLD, STK1060/OLD, STK1053, STK1060, STK1000, STK2530, ST1223

Stock #	Description
STK4000	Rolex Tools Set

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Regulating Wrench to Fit Rolex

This wrench is a precision tool for adjusting the timing on certain high-end watches. It has a unique star-shaped hole that fits the special regulating screws. Solid brass tip held in a black plastic handle. Overall length $2^{5}/_{16}$".

Stock #	Description
STK1000	Regulating Tool

Individual Mainspring Winding Drums

Special drums with arbor winders to fit Rolex.

Stock #	Description
BG2729T/ROL1400	For 1400
BG2729T/ROL2030	For 2030
BG2729T/ROL2130	For 2130 & 2135
BG2729T/ROL3035	For 3035 & 3135
BG2729T/ROL2230	For 2230 & 2235

Micro-Stella Regulating Wrench to Fit Rolex

Use this precision wrench to accurately regulate the timing on certain high-end watches. Make adjustments as precise as up to one second per day.

Stock #	Description
STK1002	Regulating Wrench

Tungsten Carbide Drawplates

Tungsten carbide drawplates offer the highest quality surface finish and greatest ease for pulling all types of metal. Offered in round shapes only, these are the highest quality drawplates available. With carbide inserts, you get the benefits of carbide at a lower price.

Stock #	Holes	Size mm
DP552.00	24	0.26 to 1.00
DP553.00	24	2.30 to 6.00
DP555.00	39	0.26 to 2.80

Premium Steel Drawplates

Italian made, premium steel drawplates are for drawing down wire. They have smoothly machined holes.

Stock #	Shape	Holes	mm
DP019-004	Round	31	3 to 6
DP019-005	Round	20	3 to 5
DP019-006	Round	31	2 to 5
DP019-007	Round	31	3 to 0.5
DP019-008	Round	31	2 to F
DP019-009	Round	20	1 to F
DP019-013	Half-round A	20	1 to 3
DP019-017	Half-round B	20	1 to 3
DP019-021	Half-round C	20	1 to 3
DP019-029	Oval A	20	1 to 3
DP019-033	Oval B	20	1 to 3
DP019-037	Oval C	20	1 to 3
DP019-046	Square	31	3 to 0.5
DP019-051	Rectangular	20	1 to 3
DP019-055	Triangular	20	1 to 3
DP019-059	Octagonal	20	1 to 3
DP019-063	Hexagonal	20	1 to 3
DP019-025	Drop	20	1 to 3

Draw Tongs

Use to pull wire through drawplates. Durable and sturdy for firm grip.

DT019-885

Stock #	Description	Length
DT421	Draw Tongs	8″
DT422	Draw Tongs	10″
DT019-885	German Draw Tongs	8″
DT019-995	German Draw Tongs	10″

Durston Mini Rolling Mill

Durston C80mm. Without reduction gear. Roll size 80mm. 62mm Flat. Four wire sizes: 1-6 1/2 mm. Sheet thickness capacity 6mm.

Stock #	Description
RM128.110	Mini Mill

Durston Combination Rolling Mill

Durston DRM C100mm. Includes reduction gear. Roll size 100mm. 70mm Flat. Seven wire sizes: 7mm-1mm. No extension rolls. Sheet thickness capacity 6mm.

Stock #	Description
RM128.108X	100mm Mill

How to Draw Silver or Gold Wire

1. *Melt metal and pour into wire ingot molds.*
2. *Compress the wire ingot through the appropriate rolling mill channel.*
3. *Continue compressing through the next smaller channel until you reach the desired size.*
4. *File the end of the wire, then stick the point of the wire in the largest drawplate hole so that the wire can go through and still be compressed.*
5. *Pull wire through the drawplate and continue this process through each consecutive smaller hole.*
6. *It will be necessary to anneal the wire periodically during this process to prevent hardening of the metal.*

How to Anneal Wire

1. *Coil wire loosely, secure with binding wire.*
2. *Heat evenly by revolving a large flame about the coil until it turns a dull red color.*
3. *Let air dry until wire turns gray, then remove the binding wire.*
4. *Immediately quench in water or pickle.*
5. *Draw the wire through the next smaller hole.*

Round

1/2 Round A

1/2 Round B

1/2 Round C

Oval A

Oval B

Oval C

Square

Rectangular

Triangular

Octagonal

Hexagonal

Drop

Deluxe German Sawframes

High-quality frames are strongly constructed with hardwood handles. Adjustable frames for broken blades.

Stock #	Depth/Description
SW602-½	2¼″ Sawframe
SW603	3″ Sawframe
SW604	4″ Sawframe
SW605	5″ Sawframe
SW606	6″ Sawframe
SW608	8″ Sawframe
SW650.00	3″ Economy Sawframe

Deluxe Sawframes with Tension Screws

Deluxe sawframes feature a tension screw that adjusts the blade to the exact tension desired. Made in Germany.

Stock #	Depth/Description
SW612-½	2½″ Sawframe
SW613	3″ Sawframe
SW614	4″ Sawframe

Replacement Parts for German Sawframes

Stock #	Description
SW310.01	Wing Screw (for Holding Blades)
SW310.02	Block Set, Wing Nut, Washer, Screw & Pad
SW310.05	Blade Tension Wing Nut
SW310.08	Block Pad

Tube Cutting Holder

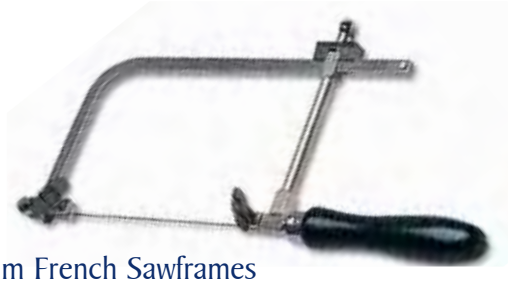
Attach to bench or use a bench vise. Slots at the end assure straight cutting and the guide can be set for multiple cuts when doing production work. USA-made of tempered steel.

Stock #	Description
HO110.00	Tube Holder

Swiss Sawframes

Ergonomic handles reduce fatigue and provide greater dexterity. The patented blade-lock design eases blade insertion and maintains perfect alignment to eliminate wobble and reduce blade loss during use. These frames are 2¾" deep.

Stock #	Description
SW49.720	Adjustable Sawframe
SW49.722	Fixed-style Sawframe



Premium French Sawframes

Deluxe sawframes feature rigid construction and fine balance. Frame can adjust to blade length.

Stock #	Description
SW352.00	2¾″ Depth
SW353.00	3¾″ Depth
SW350.08	Blade Pad
SW350.09	Blade Wingscrew w/ Washer

Jig Vise/Miter Cutter

This high-grade tool steel device is a must for the demanding jeweler. It is used both as a miter for cutting stock and as a vise for holding those hard-to-handle small parts. This tool allows you to make perfect 45° and 90° cuts on all kinds of stock. Swiss.

Stock #	Description
BG6499	Jig Vise

Jiffy Jump Ring Tool

Produce round and oval jump rings in seconds and give a square, clean cut to watch bands, tubing and sizing stock. The handy V-block will hold items up to ¼" in size. Stainless steel and silicone bronze.

Stock #	Description
HO43.115	Jump Ring Tool

Hercules® White Label Sawblades

Top-quality, German-made sawblade. One of the most popular blades. For straight cutting. 12-pack.

Stock #	Size
SW49.100	8/0
SW49.101	7/0
SW49.102	6/0
SW49.103	5/0
SW49.104	4/0
SW49.105	3/0
SW49.106	2/0
SW49.107	1/0
SW49.108	1
SW49.109	1 1/0
SW49.110	2
SW49.111	3
SW49.112	4

Skip-A-Tooth Sawblades for Wax

These blades are designed for wax cutting. Every other tooth is eliminated to provide smooth cutting and non-loading action. Size #1. Sold by the dozen.

Stock #	Description
SW49.320	Skip Tooth Blade

Diamond Sawblades

These diamond-coated sawblades are made by electroplating diamond particles onto piano wire. Blades are 5 3/8" long to fit existing sawframes and are individually packaged. Great for glass, ceramic and stones. Other grits are available upon request. Sold individually.

Stock #	Description
SW271.40	140 Grit
SW271.20	120 Grit
SW271.00	100 Grit
SW270.60	60 Grit

Spiral/Wax Sawblades

The circular design of the cutting edges allows cutting in any direction. Excellent for plaster, plastics, wax, hard rubber and other materials. Package of 12.

Stock #	Blade	Diameter
SW655-1/0	0	.56mm
SW655/1	1	.61mm
SW655/2	2	.70mm
SW655/3	3	.74mm
SW655/4	4	.78mm
SW655/5	5	.84mm
SW655/6	6	.91mm

PIKE Swiss Sawblades

The "Preferred Sawblade" is made from a tough, heat-treated alloy. It has a flexible, rounded back for cutting curved shapes. 12-pack.

Stock #	Size
SW49.4580	8/0
SW49.4560	6/0
SW49.4550	5/0
SW49.4540	4/0
SW49.4530	3/0
SW49.4520	2/0
SW49.4510	1/0
SW49.4509	1
SW49.4508	2
SW49.4507	3

Antilope® Blue Label Sawblades

Quality German sawblades, with consistent tooth pitch and cast-off for straight cutting. 12-pack.

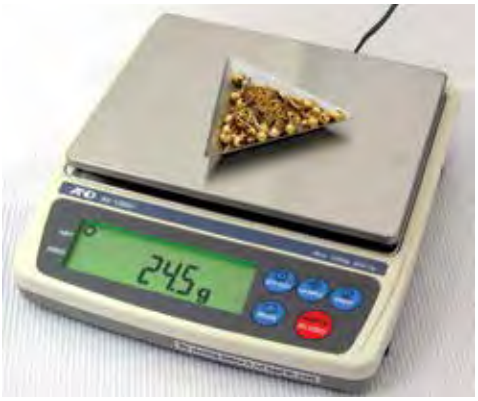
Stock #	Size
SW49.900	8/0
SW49.901	7/0
SW49.902	6/0
SW49.903	5/0
SW49.904	4/0
SW49.905	3/0
SW49.906	2/0
SW49.907	1/0
SW49.908	1

Forme d'Art Sawblades

This inexpensive blade is ideal for novices and hobbyists. Package of 144.

Stock #	Size
SW720-8/0	8/0
SW720-6/0	6/0
SW720-5/0	5/0
SW720-4/0	4/0
SW720-3/0	3/0
SW720-2/0	2/0
SW720/0	0
SW720/1	1
SW720/2	2
SW720/3	3
SW720/4	4

Gram & Carat Scales



A&D Legal-For-Trade Scale

1200 gram capacity, 0.1g accuracy. Features multiple weighing units: ct, g, oxt, dwt, li, lb-oz, gn and tael. Counting function. Portable and lightweight. Large LCD display with backlight. Sealed key panel protection against dust and spills. Full digital calibration. Control zero, mode selection and data output with standard RS-232C. Overload protection. Minimal space requirement. Includes an auto power off and an integrated security bracket prevents theft. Stainless steel weighting pan, NTEP Approval Legal-For-Trade. Weighs 3 1/2 pounds.

Stock #	Description
SC-EK1200	1200 Grams Legal-For-Trade Scale

GemOro Precision Carat Scale

Accurate to 0.005 carats. Measures in ct, g, dwt, ozt, gn. Includes calibration weight, scoop, locking tweezers, AC adaptor, and carrying case. Five-year replacement warranty. 5.4" x 2.75".

Stock #	Description
SC-PCT101	100 Carat Precision Scale

Portable Scale

Modes include grams, ounces, pennyweights and troy ounces to 0.1 grams. Includes an auto shut-off, tare function, and comes with a leatherette case and clear protective cover. Uses four AAA batteries. 6" x 3".

Stock #	Description
SC305.00	500 Gram Scale

Ohaus Scout Pro

Count parts or weigh in grams, ounces, pennyweights, grains, troy ounces, kilograms, pounds and three teal units for Hong Kong, Singapore and Taiwan. 400 gram capacity, with an accuracy of 0.1 gram. Scale has a sealed front panel, molded spill ring. A high contrast LCD displays weight, applications data, stability, overload and underload conditions and a low battery power indicator. An integrated security bracket prevents theft. Use included AC adapter or 4 AA batteries (not included) for power. Overall dimensions are 7 1/2" W x 8 1/4" L x 2 1/8" H. The platform has a 4 1/2" diameter.

Stock #	Description
SC-SPJ401	Ohaus Gram Scale

Ohaus Scout Pro Carat Scale

Scale counts parts and measures up to 300 carats to a 1/2 point accuracy. Weigh carats, pennyweights and grams. The Scout Pro has a sealed front panel, molded spill ring, and high contrast LCD to display weight, applications data, stability, over and underload conditions and low battery power indicator. An integrated security bracket prevents theft. Use included AC adapter or 4 AA batteries (not included) for power. Overall dimensions are 7 1/2" W x 8 1/4" L x 2 1/8" H with a 3 1/2" diameter platform and draft shield.

Stock #	Description
SC-SPJ303	Ohaus Carat Scale

Pocket Scale

Features auto calibration and auto power-off. Weighs in carats, grams, pennyweights and troy ounces. Flip cover protects the platform. Includes two AAA batteries. 5" x 3" x 3/4".

Stock #	Description
SC300.20	250 x 0.1 Grams

Screwdriver Blade Sharpener & Shaper

Sharpen screwdrivers sized .70 to 3.00mm. Includes three holders for different sizes of screwdrivers.

Stock #	Description
SD-M502	Horotec Screwdriver Blade Sharpener

Bergeon Broken Screw Remover

The deep U-shape and two broach cutters of this vise-held tool help you remove broken screws from plates. Place cutters into head, hold with set screws and bear on broken screws. Swiss.

Stock #	Description
BG30209	Screw Remover
BG30209A	.4 x .5mm Broach Cutter
BG30209B	.6 x .7mm Broach Cutter
BG30209C	.8 x 1.0mm Broach Cutter

Vissin™ Screw Removing

Special formula acidic solution removes broken steel screws from brass watch plates without damaging plates. Use crucible and crucible stand to heat.

Stock #	Description
BG4503/50	Vissin, 50ml. Bottle
BG4669	Stand
BG4668	Crucible

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Screwdriver Blade Sharpener & Shaper

Use properly sharpened blades to avoid scratching parts. Put the correct curvature on blades using the two parallel cylindrical stones, and the other stone to square the tip. Swiss.

Stock #	Description
BG6924	Screwdriver Blade Sharpener

Screwdriver Sharpener

Spring action holds screwdriver firmly in place. Steel wheels are carefully set into body to provide even action when wheeled over stone. $1^{9}/_{16}$" wide.

Stock #	Description
BG2461	Swiss
SD890	Economy

Bergeon Chronograph Screw Shoulder Cutter

Hard-metal screw shoulder cutter has sixteen 4mm cutters ranging in size from .40mm - 1.3mm. Measure the screw diameter, match diameter to cutter hole size and turn screw clockwise to remove shoulder. Swiss.

Stock #	Description
BG30615-03	Screw Cutter

Bergeon Stainless Steel Screwdriver Set

Nine stainless steel screwdrivers, sized from .50mm to 2.5mm. A set screw securely holds each blade. Blades are rockwell hardness #54. Compact rotating base, 65mm

Stock #	Description
BG30081S	Set of 9

Blades

Blade #/Size
BG6899M/0.50
BG6899M/0.60
BG6899M/0.80
BG6899M/1.00
BG6899M/1.20
BG6899M/1.40
BG6899M/1.60
BG6899M/2.00
BG6899M/2.50

Replacement Screwdrivers

Individual replacement screwdrivers for BG30081-S10 & BG30081S.

#	Color	Screwdriver #/Size
#1	Orange	BG30081/0.50
#2	White	BG30081/0.60
#3	Yellow	BG30081/0.80
#4	Black	BG30081/1.00
#5	Red	BG30081/1.20
#6	Gray	BG30081/1.40
#7	Purple	BG30081/1.60
#8	Green	BG30081/2.00
#9	Blue	BG30081/2.50
#10	Brown	BG30081/3.00

Bergeon Deluxe Revolving Screwdriver Set

Ten new-styled stainless steel screwdrivers with special alloy blades are sized from .50mm to 3.00mm. Color-coded tubes for spare blade storage. Heavy base, 90mm.

Stock #	Description
BG30081-S10	Set of 10

Blades

Blade #/Size
BG6899M/0.50
BG6899M/0.60
BG6899M/0.80
BG6899M/1.00
BG6899M/1.20
BG6899M/1.40
BG6899M/1.60
BG6899M/2.00
BG6899M/2.50
BG6899M/3.00

Replacement Tubes with Screwdriver Blades

Individual replacement tubes for BG30081-S10 and BG6899.

Stock#	Description
BG6899T/0.50	Includes 2 Blades
BG6899T/0.60	Includes 2 Blades
BG6899T/0.80	Includes 2 Blades
BG6899T/1.00	Includes 2 Blades
BG6899T/1.20	Includes 2 Blades
BG6899T/1.40	Includes 2 Blades
BG6899T/1.60	Includes 2 Blades
BG6899T/2.00	Includes 2 Blades
BG6899T/2.50	Includes 2 Blades
BG6899T/3.00	Includes 2 Blades

Bergeon Ergonomic Set

Comfortable screwdrivers have black elastomer grips, self-lubricating heads, stainless steel bodies and special alloy stainless steel blades. Includes extra blades in color-coded tubes. Blade sizes .50 to 3.00mm.

Stock #	Description
BG6899	Set of 10

Blades

Blade #/Size
BG6899M/0.50
BG6899M/0.60
BG6899M/0.80
BG6899M/1.00
BG6899M/1.20
BG6899M/1.40
BG6899M/1.60
BG6899M/2.00
BG6899M/2.50
BG6899M/3.00

Replacement Screwdrivers

Individual replacement screwdrivers for BG6899.

Blade #/Size
BG6899/0.50
BG6899/0.60
BG6899/0.80
BG6899/1.00
BG6899/1.20
BG6899/1.40
BG6899/1.60
BG6899/2.00
BG6899/2.50
BG6899/3.00

VOH Screwdriver Set

Twelve knurled stainless steel handles for excellent grip. Rotating heads, color-coded to match base. V-shape blades sizes: .60, .70, .80, .90, 1.00, 1.20, 1.40, 1.60, 1.80, 2.00, 2.50, 3.00mm. 37 conveniently stored replacement blades.

Stock #	Description
SD-V788	Set of 12

Blades

Blade #/Size
BG6899M/0.60
BG30080A/0.70
BG6899M/0.80
BG30080A/0.90
BG6899M/1.00
BG6899M/1.20
BG6899M/1.40
BG6899M/1.60
BG30080A/1.80
BG6899M/2.00
BG6899M/2.50
BG6899M/3.00

Blade Fixing Screws

Stock #	Fits
BG30080X	Bergeon .50mm
BG30080Y	Bergeon .60 - 1.60mm
BG30080Z	Bergeon 1.80 - 3.00mm

Blade Fixing Screws for VOH

Stock #	Fits
SD-V788/SCREW	Set of Screws for VOH

Horotec Screwdriver Set

Stainless steel bodies and aluminum heads with ball-bearings. Set of 12: .50 to 3.00mm, with spare blades in center. Set of 5 in pouch: .6, .8, 1, 1.2, 1.4mm. Swiss.

Stock #	Description
SD-M201C	Set of 12
SD-M201B	Set of 5

Blades

Blade #/Size
BG6899M/0.50
BG6899M/0.60
BG30080A/0.70
BG6899M/0.80
BG6899M/1.00
BG30080A/1.10
BG6899M/1.20
BG6899M/1.40
BG6899M/1.50
BG6899M/1.60
BG6899M/2.00
BG6899M/2.50
BG6899M/3.00

Replacement Screwdrivers

Stock #
SD-M201/0.50
SD-M201/0.60
SD-M201/0.70
SD-M201/0.80
SD-M201/0.90
SD-M201/1.00
SD-M201/1.10
SD-M201/1.20
SD-M201/1.30
SD-M201/1.40
SD-M201/1.50
SD-M201/1.60
SD-M201/2.00
SD-M201/2.50
SD-M201/3.00

Bergeon High-Torque Drum-Barrel Screwdriver

Achieve more power using this Swiss screwdriver with its larger barrel.

Stock #	Size
BG5971-1.00	1.00mm
BG5971-1.20	1.20mm
BG5971-1.40	1.40mm
BG5971-1.60	1.60mm

High-Torque Sleeves for Bergeon

Sleeves are set screwed to your screwdriver body to give high-torque.

Stock #	Fits
SD-MT430	Bergeon 1.00, 1.20mm
SD-MT480	Bergeon 1.40, 1.60mm
SD-MT530	Bergeon 2.00, 2.50, 3.00mm

High-Torque Sleeves for Horotec

Stock #	Fits
SD-MT430	Horotec 0.50 - 1.50mm
SD-MT480	Horotec 1.60 - 2.00mm
SD-MT530	Horotec 2.50 - 3.50mm

High-Torque Sleeves for VOH

Stock #	Fits
SD-MT430	VOH 0.60 - 1.20, 1.40mm
SD-MT480	VOH 1.60, 1.80, 2.00mm
SD-MT530	VOH 2.50, 3.00mm

Screwdriver Sets

Screwdriver Set in Revolving Stand

Nine chrome-plated screwdrivers in a revolving stand. Includes 19 extra blades and two extra set-screws in the center compartment. Blades are held in by a set-screw. SD990.00 set includes 3 of each size. French.

Stock #	Description
SD980.00	Set of 9 with Stand
SD990.00	Blade Set, 27 Pieces
SD189.78V	Replacement Set Screws

Replacement Set-Screw Screwdrivers

Stock #	Size	Band/ID Color
SD980.60	0.60mm	Pink
SD980.80	0.80mm	Yellow
SD981.00	1.00mm	Black
SD981.20	1.20mm	Red
SD981.40	1.40mm	Grey
SD981.60	1.60mm	Violet
SD982.00	2.00mm	Green
SD982.50	2.50mm	Blue
SD983.00	3.00mm	Brown

Replacement Set-Screw Blades, Packs of three

Stock #	Size	Driver Color
SD990.60	0.60mm	Pink
SD990.80	0.80mm	Yellow
SD991.00	1.00mm	Black
SD991.20	1.20mm	Red
SD991.40	1.40mm	Grey
SD991.60	1.60mm	Violet
SD992.00	2.00mm	Green
SD992.50	2.50mm	Blue
SD993.00	3.00mm	Brown

Ergonomic Screwdriver Set

Elastomer coated Bergeon screwdrivers and extra blades in wood case. Swiss.

Stock #	Description
BG6899-A10	Set of 10
BG6899-A05	Set of 5

Bergeon Non-Magnetic Set-Screw Screwdrivers

BG4912 includes 3 sizes, .50, .60, .80mm, and 3 extra blades. BG4840 includes 5 sizes, .50- 1.20mm, and five extra blades.

Stock #	Description
BG4912	Set of 3
BG4840	Set of 5

Non-Magnetic Replacement Screwdrivers and Blades

Color	Screwdriver#	Blade #
Orange	BG4916/0.50	BG4917/0.50
White	BG4916/0.60	BG4917/0.60
Yellow	BG4916/0.80	BG4917/0.80
Black	BG4916/1.00	BG4917/1.00
Red	BG4916/1.20	BG4917/1.20

Stainless Steel Screwdriver Set

Stainless steel Bergeon screwdrivers and extra blades in wood case. Swiss.

Stock #	Description
BG30081-A10	Set of 10
BG30081-A05	Set of 5

Set-Screw Screwdrivers

Six color-coded set-screw drivers in a handy pouch, sizes .80, 1.0, 1.2, 1.4, 1.6 and 2.0mm. Replacement blades one each size. French.

Stock #	Description
SD980.01	Pouch of 6
SD399.00	Blade Set

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Screw-Chuck Type Screwdriver with Reversible Blades Set

Chuck-type screwdrivers have finely-ground, double ended, reversible tempered blades. Color-coded for easy identification in handy storage box.

Stock #	Description
SD730	Set of 7 Screwdrivers

Replacements for SD730, SD373.00, SD762

Stock #	Screwdriver #	Color	mm
SD730.03	3	Orange	1.50
SD730.04	4	Black	1.30
SD730.05	5	Green	1.20
SD730.06	6	Brown	1.00
SD730.07	7	Red	.80
SD730.08	8	Silver	.70
SD730.09	9	Blue	.60
SD730.10	10	Purple	.50
SD730EB	Set of 21 Blades, 3 Each		

Replacement Blades, Packs of three

Stock #	Screwdriver #	Driver Color	mm
SD740.03	3	Orange	1.50
SD740.04	4	Black	1.30
SD740.05	5	Green	1.20
SD740.06	6	Brown	1.00
SD740.07	7	Red	.80
SD740.08	8	Silver	.70
SD740.09	9	Blue	.60
SD740.10	10	Purple	.50
SD740.00	Set of 18 Blades, 3 Each of #4-9		

Economy Screwdriver Set

Set of nine set-screw type screwdrivers from India. Include extra blades and a revolving stand. Sizes .60, .80, 1.00, 1.20, 1.40, 1.60, 2.00, 2.50, 3.00.

Stock #	Description
SD979.00	Set of 9 Screwdrivers with Stand

Reversible Blade Screwdrivers in Wooden Stand

Wooden stand comes with sizes 4 - 9 of the fine reversible-blade screw chuck drivers. Stand holds a container of extra blades.

Stock #	Description
SD373.00	Set of 6 Screwdrivers with Stand
SD374.00	Replacement Blade Set

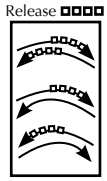
Screw Chuck Type Screwdriver

Set of seven non-rusting screwdrivers for watchmakers in a wood stand with sharpening stone. Reversible, double-ended blades and threaded ferrules allow for easy replacement.

Stock #	Description
SD762	Set of 7 Screwdrivers with Stand
SD763	Stand Only

Screwdriver Sets

Release



Dynamometric Screwdriver

Designed for watchmaking production and after-sales service. Adjustment of torque by key. Uses quick change adapters for parallel blades and colored identification rings, all sold separately.

Stock #	Diameter	Blade Size/mm	Torque/mNm	Releases/Turn
BG6897	10mm	.50-2.00	5-55	6

Release

Dynamometric Screwdriver

Dynamometric gear-clutch screwdriver. Uses parallel blades with blade sleeves, both sold separately. Made by Petitpierre.

Stock #	Diameter	Blade Size/mm	Torque/mNm	Releases/Turn
BG6900	10mm	.50-3.00	5-55	12

Release

Dynamometric Screwdrivers

Direct torque adjustment on external graduated screwdriver body. Uses quick change adapter. Made by Petitpierre.

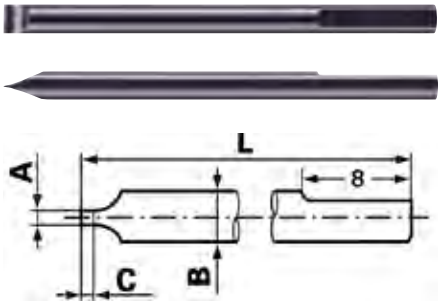
Stock #	Diameter	Blade Size/mm	Torque/mNm	Releases/Turn
BG6901	13mm	.50-3.00	10-120 Adj. Driver	6

Release

Dynamometric Omega Screwdriver

Gear-clutch screwdriver for assembly. Each screwdriver fits only one size blade. Uses regular "V" shaped blades.

Stock #	Diameter	Blade Size/mm	Torque/mNm	Releases/Turn
BG6930	10mm	.80-2.00	10-60	4



HSS Screwdriver Blades

High speed steel. Parallel flanks with polished angle.

Stock#/ B	A	C	L
BG6895M/0.50	.10	.15	22mm
BG6895M/0.60	.12	.15	22mm
BG6895M/0.70	.14	.18	22mm
BG6895M/0.80	.14	.18	22mm
BG6895M/0.90	.14	.18	22mm
BG6895M/1.00	.14	.18	22mm
BG6895M/1.10	.14	.18	22mm
BG6895M/1.20	.14	.18	22mm
BG6895M/1.30	.16	.20	29mm
BG6895M/1.40	.16	.20	29mm
BG6895M/1.50	.16	.20	29mm
BG6895M/1.60	.16	.20	29mm
BG6895M/1.80	.20	.20	29mm
BG6895M/2.00	.20	.20	29mm
BG6895M/2.50	.20	.20	29mm
BG6895M/3.00	.20	.20	29mm

Parallel Blade Screwdriver Set

Set of 10 Horotec screwdrivers with parallel shaped blades. Includes extra set of blades. Stainless steel bodies with ball bearing heads. Full range of 10 sizes: .50-3.00mm. Set of 10 stored in a clear top storage box.

Stock #	Description
SD-M207	Set of 10
SD-M207B/0.50	.50mm
SD-M207B/0.60	.60mm
SD-M207B/0.80	.80mm
SD-M207B/1.00	1.00mm
SD-M207B/1.20	1.20mm
SD-M207B/1.40	1.40mm
SD-M207B/1.60	1.60mm
SD-M207B/2.00	2.00mm
SD-M207B/2.50	2.50mm
SD-M207B/3.00	3.00mm

Specialty Screwdriver Sets

Screwdrivers for today's electronics which have some very interesting screw slots. Made in USA.

JIS Screwdriver Set

JIS screwdrivers look like Phillips style but the blade slots are thinner without rounded corners in the center. Set includes JIS blade sizes 1, 0, 00 000. Stored in pouch.

Stock #	Description
SD580219	Set of 4 in Pouch

Metric Hex Allen

Six metric hex allen screwdrivers. Sizes .7, .9, 1.27, 1.5, 2.0 and 2.5mm. For hex-shaped holes. Stored in pouch.

Stock #	Description
SD580159	Set of 6 in Pouch, As Shown
SD580158	Hex Assortment, 6 Blades and 1 Handle

Metric Hex Nut Drivers

Six metric hex nut drivers, sizes 2.0, 2.2, 2.5, 3.0, 3.5, 4.0mm.

Stock #	Description
SD580165	Metric Hex Nut, Set of 6

Torx Star Set

Set of 8 torx screwdrivers: T3, T4, T5, T6, T7, TR8, T9, TR10 and universal blade handle.

Stock #	Description
SD580280	Metric Hex Nut, Set of 8

Screw Extractors with Reversible Blades

Four screw extractors with reversible blades in storage pouch.

- Blade #1: 1.1mm and 1.5mm
- Blade #2: 1.25mm and 1.25mm
- Blade #3: 1.5mm and 1.5mm
- Blade #4: 2.5mm and 2.5mm

Stock #	Description
SD580675	Set of 4 Screw Extractors and 8 Blades

Phillips Head Screwdrivers with Fixed Blades

Ideal for computer, camera and watch repairing, these very small screwdrivers have knurled handles, hex heads and tempered steel blades.

Stock #	Description
SD830.00	Set of 4

Individual Screwdrivers

Stock #	Color	Size (mm)
SD831.20	Gray	1.20
SD831.50	Purple	1.50
SD832.00	Green	2.00
SD832.50	Blue	2.50

Scissor Shears

Cut lightweight metal with these 7" long scissor-type shears with curved blades. Made of fine European steel, these are shaped to allow precise control. Cuts medium-hard metal up to B & S gauge #20 or soft sheet metal to gauge #16. German.

Stock #	Description
SH53.800	Straight
SH53.802	Curved

Euro Shears

Will cut anything from paper to heavy tin with tempered stainless steel blades. The plastic handles and return spring provide comfort and lessen fatigue.

Stock #	Description
SH990	7½" Euro Shears
SH992	5½" Euro Shears

Heavy All Purpose Shear

Great for cutting heavier metals and copper plate up to B & S gauge #20. Large loop handles are extra comfortable. Length of the blade is 2" and total length is 7¾". Made in the USA.

Stock #	Description
SH555.00	All Purpose Shear

Narrow Blade Shear

Leverage shear with smaller, narrow 1⅜" long blades. Will cut up to B & S gauge #20 copper plate. Large comfortable handles. 7¼" long.

Stock #	Description
SH558.00	Narrow Blade

Jeweler's Shears

Excellent for clipping chains, solder and thin metal. Long handle with return spring permits greater flexibility in cutting. Made in France.

Stock #	Description
SH530.01	Straight
SH531.01	Curved

Short Blade Scissors

These scissors have very sharp one-inch blades to cut fine wire, thread, nickel ribbon, etc. The fine points allow access to tight areas. 3½" long.

Stock #	Description
SH455.00	Straight
SH456.00	Curved

Lindstrom HR 6000 Shear

The multi-purpose shear easily cuts through 28 guage silver stock. Features ergonomic, cushion griph-andles and 51-59 Rockwell hardness blades. Spring tension to returns the blades to open position.

Stock #	Description
SH600.00	Multi-Purpose Shear

Precision Scissors

Precision scissors are designed for beading and other delicate work. Large handles of black ABS plastic and small pointed blades of high-quality stainless steel are held together with a stainless steel, high-impact rivet and nylon washer for smooth cutting and extended life.

Stock #	Description
SH101.00	3⅝" Precision Scissors
SH105.00	4" Precision Scissors
SH110.00	4¾" Precision Scissors

Precision Cutters

Finely engineered shears with an easy-return spring take less effort to cut. The ergonomically shaped, non-slip Xuro-Rubber™ grips and a glare-eliminating black finish contribute to operator comfort. Made in the USA.

Stock #	Description
PL9158	0.8mm Cut Scissors

PUK Welder

PUK Welders provide laser-welding ease and accuracy at a fraction of the price, allowing you to quickly and precisely weld all precious metals and precious metal alloys. Weld jump rings, small gold chains, spring rings and settings into place. Tack parts together before soldering. Add costume jewelry and eyeglasses to your repair repertoire. Hold the work in your hands, since the heat created by the arc is very low, eliminating the need for binding wire.

PUK4 Professional Welder

PUK4 includes the microscope and the required German argon gas regulator. Made by Lampert.

- Simple and intuitive to operate
- Faster and easier repairs
- Precision handpiece for precision welding
- Tested and certified product safety: GS & CE marks
- DIN CERTO certified eye protection in the lens
- Ergonomically optimized for work efficiency
- Compact size - fits into every workshop
- Welding microscope for precise welding results
- Maintenance-free technology
- Low initial costs, excellent price/performance ratio
- Low argon consumption
- Practical system add-ons such as PIN module, welding smoke absorber, welding wires and more
- 3-year warranty

Stock #	Description
PUK4	Complete Welder with Argon Regulator

Over Nine Decades of Quality Products and Service

Jules Borel started his watch part business in Kansas City in 1920. Since then, we have become a premier provider of quality materials, tools, and supplies. Besides our comprehensive selection and fast delivery, we offer a genuine concern for your success. Call us weekdays, 8:00-5:00 Central time at 800-776-6858 or order online at julesborel.com.

Jules Borel
1884-1971

Little Torch & Accessories

Little Torch® Kit with 5 Tips

Miniature welding torch maneuvers easily in hard to reach areas. Use oxygen and gas to produce a perfectly controlled, stable flame. Hot enough to melt metals, glass and ceramics with thread thin flames up to 6300° F. Includes: lightweight torch body, five copper curved precision tips and two 8-feet hoses for oxygen and gas.

Acetylene, Propane, Natural Gas or Hydrogen Kit

Stock #	Description
BT275	Kit with 5 Tips (#'s 2-6)

BT273/1 - BT273/2

Smith Equipment Brand Regulators and Inlet Connections

Designed for use with the Little Torch, but also can be used with any torch. Easy to read. UL tested.

Stock #	Gas	Cylinder
BT343	Oxygen	Fits All Industrial Tanks
BT345	Acetylene	Fits MC Medical 15″ x 4″
BT346	Acetylene	Fits Type B and Autolite
BT347	Acetylene	Fits Commercial Acetylene
BT348	Hydrogen	Fits Hydrogen
BT349	Propane	Fits POL
BT273/1	Propane	Fits Disposable Propane 14.1oz.
BT273/2	Oxygen	Fits Disposable Oxygen 14.1oz.

Torch Tank Wrench

Use on the torch and regulator nuts.

Stock #	Description
BT14.164	Torch Wrench

The Little Torch Fuel Temperatures

Acetylene 5900° F to 6300° F
Butane 4995° F
Methyl Acetylene Propadiene 5300° F
Hydrogen 4850° F
Natural Gas 4600° F
Propane 4780° F

Y-Connectors

Use two torches with one regulator. Shut-off valves.

Stock #	Description
BT625	Fuel Gas 9/16″ LH Threads
BT626	Oxygen 9/16″ RH Threads

Check Valves/Flashback Arrestor Set

Stops flashback fires by preventing reverse gas flow. With automatic reset between flashes. Solid brass case is durable and easy to install. Fits standard 9/16" B connections on regulators. Set of two.

Stock #	Description
BT753	For Fuel & Oxygen Line

Acetylene Caddy Outfit

Handy plastic carrying caddy holds torch, hoses, five tips, empty oxygen tank, regulator and empty fuel tank.

Stock #	Description
BT280	Complete Caddy Outfit
BT276/28A	Replacement Plastic Caddy

Propane Caddy Outfit

Lightweight portable outfit for 14.1-ounce LP disposable fuel tanks is allowed for use indoors. Also works with propane or 14.1-ounce Mapp tanks. Kit includes torch, hoses, empty oxygen tank, regulators with safety check valves, carrying caddy and five tips, sizes #3-7.

Stock #	Description
BT291	Caddy Outfit for Disposable Propane

Little Torch Extra Tips

Tips #2 and #3 have synthetic sapphire orifices.

Stock #	Tip Shape	Size	Orifice
BT302	Curved	2	.006″
BT303	Curved	3	.011″
BT304	Curved	4	.020″
BT305	Curved	5	.029″
BT306	Curved	6	.037″
BT307	Curved	7	.047″
BT317	Twin Tips	3	.011″
BT318	Twin Tips	4	.020″
BT319	Twin Tips	5	.029″
BT320	Twin Tips	6	.037″

Use Tip #2 with oxygen/acetylene or oxygen/hydrogen only.

Hoses and Connectors

Stock #	Description
BT276/22	8′ Red Fuel Gas
BT276/23	8′ Green Oxygen
BT276/29	Ferrule Tool
BT276/29A	Ferrule

Propane tanks larger than this standard 14.1-ounce size are not allowed inside buildings.

Little Torch® Kit for Disposable Tanks

By using smaller, disposable oxygen, mapp or propane tanks purchased at your local hardware store, you can legally use these gases indoors, plus save the hazard and shipping fees. This kit can be used with small or large tanks.

Stock #	Description
BT273	Torch Kit with #4 Tip

Cylinder Stand

Provides a safe, stable base for all 14.1 ounce disposable cylinders. Made of sturdy, high-density, lightweight plastic.

Stock #	Description
BT14.207	Cylinder Stand

Little Torch Melting Tips for Acetylene

Use with oxygen and acetylene. Supplies 3000 BTU's for temperatures up to 6000° F. Six-inches long, melts up to three ounces of metal.

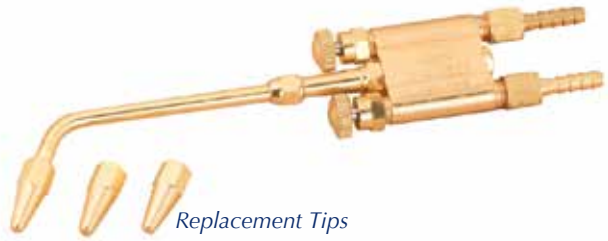
Stock #	Description
BT395	Oxygen and Acetylene Melting Tip

Little Torch Melting Tips for Propane/Natural Gas

Use with propane or natural gas with oxygen for temperatures up to 5200° F. Propane supplies 5000 BTU's, natural gas 2420 BTU's. Six-inches long.

Stock #	Description
BT396	Propane/Natural Gas Melting Tip

Hoke & Meco Torch



Replacement Tips

Meco® Midget Torch

Small in size, this lightweight design is ideal for jewelry soldering and brazing. It can be used with oxygen, acetylene, hydrogen, natural gas, propane or butane. Control valves are conveniently positioned and hold a precise flame. Comes with three tips for different sizes of flames. Use with the BT781 Meco hose. 6 3/4" long.

Stock #	Description
BT14.160	Meco Midget Torch
BT14.161	#1/0 Small Replacement Tips
BT14.162	#1 Medium Replacement Tips
BT14.163	#2 Large Replacement Tips

T-Grade Hoke Torch Hose

Sold by the foot for acetylene, propane or natural gas.

Stock #	Description
BT736	Hoke Torch Hose Twin 1/4" ID
BT745	Clamp for 1/4" Hoke

Hose Connections

Use on regulators so that standard ID hose can be used.

For Right Hand Thread-Oxygen

Stock #	Nut size	Hose
BT746	3/8"	3/16" ID
BT739	9/16"	3/16" ID
BT742	9/16"	1/4" ID

For Left Hand Thread-Fuel/Gas

Stock #	Nut size	Hose
BT741	3/8"	3/16" ID
BT738	9/16"	3/16" ID
BT743	9/16"	1/4" ID

Hoke® Torch

Use the Hoke torch with fingertip control valves for melting, soldering, brazing and welding. Hoke offers a selection of tips from large brush to pin point. Machined from solid brass stock and seamless brass tubing, their nickel plated inlets use standard 1/4" hose. Does not include pilot feature. 9" long.

Stock #	Description
BT14.122	Oxygen and Natural Gas, Includes 3 Tips
BT14.120	Oxygen and Acetylene, Includes 4 Tips
BT14.123	Oxygen and Butane or Propane, Includes 4 Tips

Replacement Tips for Hoke® Torch

Stock #	Description
BT14.142	Pencil Oxygen and Natural Gas
BT14.143	Small Oxygen and Natural Gas
BT14.144	Large Brush Oxygen and Natural Gas
BT14.130	Pin Point Oxygen and Butane or Propane
BT14.131	Pencil Oxygen and Butane or Propane
BT14.132	Small Oxygen and Butane or Propane
BT14.133	Large Brush Oxygen and Butane or Propane
BT14.136	Pin Point Oxygen and Acetylene
BT14.137	Pencil Oxygen and Acetylene
BT14.138	Small Oxygen and Acetylene

Hoke® Torch Adapter Kit Set

This kit allows your torch to perform the most intricate soldering jobs. Change tips in seconds. Not recommended for use with acetylene. Set of six tips with adapter.

Stock #	Description
BT14.060	Adapter Tip Set

Individual Tips:

Stock #	Tip #	Description
BT14.061		Adapter
BT14.062	#1	Blue
BT14.063	#2	Yellow
BT14.064	#3	Short Red
BT14.065	#4	Long Red
BT14.066	#5	Short Green
BT14.067	#6	Long Green

Casting Torch

Casting torch uses oxygen/acetylene or oxygen/propane to melt up to 12 ounces of metal. UL listed with lifetime warranty on torch body. Natural gas model works with pressures as low as four PSI. Uses twin 12½' hose BT780 (purchase separately).

Stock #	Description
BT14.146	Oxygen/Propane or Natural Gas Model
BT14.145	Oxygen Acetylene or Hydrogen

Reinforced Twin Rubber Hoses

"T" grade reinforced rubber hoses, 3/16" diameter x 12½' long, for all gases including acetylene, natural gas and propane.

Stock #	Description
BT780	Two 9/16" "B" Fittings
BT781	One Each 3/8" "A" and 9/16" "B" Fitting

Prest-O-Lite Acetylene Torch Outfit

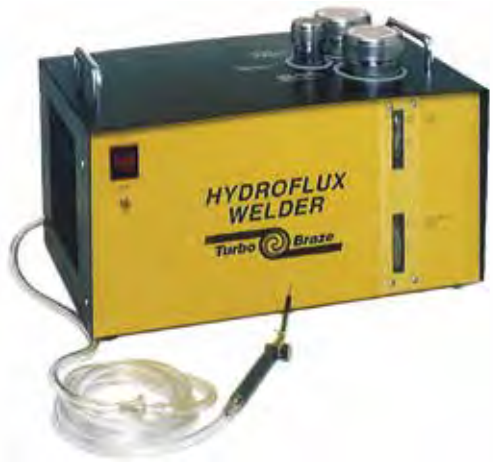
Permits mixing of acetylene with air at the torch head. Torch outfit includes: four interchangeable tips, torch handle, torch lighter, six feet of hose with fittings and regulator. The tips included offer a wide range of flame sizes suitable for jewelry soldering, except very small work.

Stock #	Description
BT14.235	Acetylene Outfit with 4 Tips
BT14.236	Silversmith Outfit with 1A Tip Only
BT14.238	Replacement Tip #1A
BT14.239	Replacement Tip #3
BT14.240	Replacement Tip #4
BT14.241	Replacement Tip #5

Protective Safety Glasses

Lightweight black plastic safety glasses with adjustable ear pieces and replaceable green polycarbonate lenses. CE approved. Choose from three lens opacities.

Stock #	Description
BT100.05	#5, Lighter
BT100.07	#7, Medium
BT100.10	#10, Darkest



Hydroflux™ Welder

Create hydrogen/oxygen fuel gas from distilled water. Compact enough to fit on a worktable or bench, requires no bottled gas. Produces a precise, clean flame that can be adjusted to work on any metal. Comes with chemicals, extra dryer filter and eight precision needle tips. Size: 10" H x 16" W x 9" D.

Stock #	Description
BT2000	Hydroflux Torch
BT2010	*1 Quart Electrolyte–No Hazard Fee
BT2011	*1 Quart Flux–No Hazard Fee
BT2012	Cotton Fiber Filter
BT2013	Set of 8 Tips
BT2014	Torch Handle with Hose
BT2015	T Connector for 2 Torches
BT2016	Brass Line Filter
BT2017	Torch Handle Filter
BT2018	Fuse 10 Amp

Hazardous

* If purchasing more than one quart, these hazardous materials will be shipped directly from the factory by the case, or four quarts per box. A $20.00 hazard fee applies to each case of four shipped.

Micro Torch & Accessories

Micro Torch

Electronic, instant ignition torch requires only one hand to ignite and adjust the flame up to 2370°F. The easy, thumb-adjustable gas flow lever allows precision flame corrections. Approximate working time is 90 minutes. Purchase butane locally.

Stock #	Description
BT300.00	Micro Torch

Torch-Mate

This electronic torch lighter lets you depress the activator bar with the torch and a spark instantly lights the torch. Uses two AA batteries (not included). Safe and easy to use.

Stock #	Description
BT14.204	Electronic Lighter

Magnetic Torch Holder

Versatile, magnetic holder keeps the Little Torch nearby on a bench stand. Use right on the stand when both hands need to be free. The heavy metal base keeps the holder safely in place. Holes store seven tips.

Stock #	Description
BT790	Magnetic Holder

Weighted Torch Holder

Use the Little Torch holder to hold your torch at the perfect angle, making it handy and safe to use. Also keeps tips conveniently organized. Made with a sturdy cast base and heavy duty 4mm rod. Made in USA.

Stock #	Description
BT14.203	Weighted Holder

Torch Holders

Mount anywhere on your bench to hold most torches.

Stock #	Description
BT14.202	Low Bracket-Type with Wide Top
BT14.201	Hook-Type
BT14.200	High Bracket-Type with Narrow Top

Torch Lighter

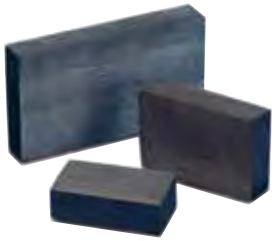
Makes sparks to light gas without open flame. Comes with one flint.

Stock #	Description
BT286	Lighter
BT287	Box of 5 Flints

Firescoff

This revolutionary spray ceramic coating is nonflammable and free of odor, fluoride and alcohol. Improve bench safety, protect jewelry from heat oxidation and scale, use instead of flux and pickle. Perform multiple soldering operations without recoating. Superior to boric acid, Firescoff is ideal for difficult-to-clean items like chains and intricate designs.

Stock #	Size
SO467	4.5 oz.
SO466	1 oz.



Charcoal Soldering Blocks

Use as a time proven technique for effective soldering. Under flame, the charcoal glows and reflects heat back into work, making the flame more efficient. Select, close-grained, knot-free wood is chemically prepared with a special process for soldering. Easily punctured to hold work.

Stock #	Size
SB981	3½″ x 2¼″ x 1½″
SB982	4¾″ x 3″ x 1½″
SB983	7″ x 4″ x 1½″

Hardwood Charcoal Block

Charcoal block is made of hardwood with great life and durability. Lasting three to five times longer, it also has better heat retention. Gives the user the desired reflective heat to solder faster and easier with better flow. Measures 5½" x 2¾" x 1¼".

Stock #	Description
SB480.00	Hard Charcoal Block

Magnesia Soldering Block

Soft, fire-proof material. Easily press your work into surface. Measures 6" x 3" x 1½". Withstands temperatures up to 2000°F.

Stock #	Description
SB956	Magnesia Soldering Block

Cordiorite Soldering Board

Non-asbestos block is flat on one side and has grooves on the other for holding shanks, chains, etc. Measuring 7½" x 7¼" x ⅞", withstands temperatures up to 2000°F.

Stock #	Description
SB54.219	Cordiorite Block

Silquar Soldering Boards

A Silquar "rock hard" soldering board retains heat during soldering and can be easily cleaned with soap and water. Withstands temperatures up to 2000°F, and has a totally flat, level surface and four rubber feet to protect the bench and prevent sliding.

Stock #	Size
SB810	6″ x 6″
SB811	6″ x 12″
SB812	12″ x 12″

Honeycomb Design Ceramic Soldering Boards

Lightweight blocks reflect heat and perforations hold pins to keep work in place while heating. Withstand temperatures up to 2000°F. Boards contain no asbestos.

Stock #	Size
SB965	3¾″ x 5½″ x ½″
SB966	5½″ x 7¾″ x ½″

Solderite® Soldering Boards

White asbestos-free soldering boards have a temperature tolerance of 3000°F. They provide superior heat reflection, insulating qualities and fast cool down time. All are ½" thick.

Stock #	Size
SB800	6″ x 6″
SB801	6″ x 12″
SB802	12″ x 12″

Solderite® Soft Board

Same as above, but ¾" thick. Softer to allow pinning for soldering alignment.

Stock #	Size
SB805	6″ x 6″
SB806	6″ x 12″
SB807	12″ x 12″

Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.

Third Hands

Third Hand, Long Tweezer

Handy work holder features a single 6½" long tweezer, mounted on a weighted base to hold items stable and secure in any position while soldering. Enables user to have both hands free while working. The base has a diameter of 3".

Stock #	Description
HO475	Third Hand, Holder

Third Hand, Short Tweezers

Features a 4½" reflex tweezer for close work and overall stability. Two sets make an economical and useful double third hand. Base diameter 3".

Stock #	Description
HO164.00	Basic Third Hand

Bracelet Holder

This bracelet holder is the only tool which will adequately hold "tennis" bracelets without using messy glues. Six allen screws allow the user to evenly hold tennis bracelets when polishing, soldering, setting stones, etc.

Stock #	Description
HO112.00	Bracelet Holder

Double Third Hand with Magnifier

For molding and working with small parts where magnification is essential. Magnifier can be easily removed if necessary.

Stock #	Description
HO496	Double Third Hand

Double Third Hand

Holds two parts in position while soldering or welding. Solid 3" round base for insured stability.

Stock #	Description
HO490	Double Third Hand

Adjustable Soldering Bowl

Stainless steel bowl holds workpiece when soldering, leaving both hands free. Mounted on a solid base, the bowl adjusts in any position for use on any job. Bowl is 4" in diameter and 1⅝" deep. Comes filled with Therma-Guard #SO600 and can also be used with pumice stone.

Stock #	Description
HO720	Soldering Bowl

Ring Holder

A heavy cast iron base keeps the holder and ring from moving during soldering. Prongs are adjustable for different size rings. The base diameter is 3" and total height is 2".

Stock #	Description
HO164.50	Ring Holder

Magnetic Base Third Hand

The weighted magnetic base allows the ball fixture to rotate easily and precisely while securely holding work in place. Supports up to five ounces at the end of the 6" tweezer.

Stock #	Description
HO493	With Single Tweezer
HO494	With Double Tweezer

Cool Cup for Ring Sizing

Submerge the stone and mounting into cold water while soldering the shank to keep the stone cool. Soldering cup includes a specially sized negative-locking tweezer designed to slip on and off the post.

Stock #	Description
SB700.00	Cool Cup

Ceramic Ring Stand

Mounted on base with swivel to provide the exact position or angle desired. Six-inch ceramic rod is much cleaner than carbon and holds heat better. Clamp releases rod for replacement.

Stock #	Description
HO625	Ring Stand
HO626	Replacement Rod

Rodico

Rodico from Bergeon has many uses. Use to protect stones when laser welding. Remove lint from stones or fingerprints from jewelry and clean delicate watch parts. Two bar box in a plastic storage container. Swiss.

Stock #	Description
BG6033	Box of 2 Bars
BG7033	Premium Rodico

Carbon Ring Stand

Holds rings, leaving both hands free. Six-inch long rod is mounted in fixed position on asbestos-free base.

Stock #	Description
SB54.128	Ring Stand
SB54.130	Replacement Rod

Niobium Pick for Platinum

Niobium picks have a temperature tolerance of 4,470°F, making them excellent for platinum. Niobium may be bent to the desired angle without breaking. 6 3/4" long.

Stock #	Description
SO945.00	Pick for Platinum

Tungsten Pick

Tungsten soldering picks can withstand higher temperatures than titanium picks. Will not contaminate platinum. 6" long.

Stock #	Description
SO940.00	Tungsten Pick

Deluxe Titanium Pick

Specifically made to lift minute drops of molten solder, this pick features a high-tech titanium rod to which solder cannot stick. Good for all nonferrous metals except platinum. Purchase different colors to avoid cross-contaminating metals. A non-conductive, non-roll handle assures ease of handling. 6 1/2" long.

Stock #	Description
SO930.00	Blue Pick
SO930.00G	Gold Pick
SO930.00R	Red Pick

Soldering Pick

This pick has a total length of 6 1/4" and is made with a special alloy. The point can be bent to any shape without breaking. It has a hardwood handle for insulation.

Stock #	Description
SO925.00	Soldering Pick

Jules Borel & Co. Catalogs

View PDF Catalogs on our website or order a printed copy.

CAT-F CAT-M CAT-B CAT-MALLARD CAT-CRY CAT-T CAT-HP

Electronic Pickling

Pickling is the immersion of metals in an acid solution to remove surface fire scale and oxides caused by heating, annealing, casting, and soldering non-ferrous metals such as gold, silver, brass and copper. The pickle solution works better if heated to a temperature of approximately 125°F. The dry, granular pickling compounds are a nonflammable and a non-explosive substitute for liquid sulfuric acid.

PB455

PB450

Ferris Electric Picklers

Automatically keeps solution at the right temperature yet prevents it from boiling away. A plastic basket is included with each unit for holding the articles in solution.

Stock #	Description	Capacity	Diameter	Height
PB455	Electric Pickler	1½ qt.	8½″	5″
PB450	Electric Pickler	12 oz.	5″	5¾″

Replacement Baskets

Stock #	Description	Capacity
PB456	Replacement Basket for PB455	1½ quart
PB461M	Replacement Basket for PB460M	1 pint
PB451	Replacement Basket for PB450	12 oz.

Little Dipper Pickler

The little dipper is a small crock pot with a 16 ounce capacity, making it ideal for use as a low cost pickle pot.

Stock #	Description
CL584.00	Little Dipper Pickler

Pro-Craft Pre-Po Pickle

Pre-cleans before heating and soldering to remove oxides. Works well at room temperature. Mix with water to make into a solution. Biodegradable.

Stock #	Description
SO45.100	Makes 1 Quart
SO45.102	Makes 1 Gallon

Sparex Pickle Compound No. 2

Use this dry granular acid compound specially made for pickling and cleaning scale from non-ferrous metals. Non-flammable and non-explosive.

Stock #	Description
SO511	Makes 1 qt., 10 oz.
SO510	Makes 1 gallon, 2½ lb.
SO512	45 lbs. Drum, 18 gallons

Black Magic® Pickle

Non-acid pickle has no fumes or corrosion, so it will not be adversely affected by steel plus it's safe to use on the bench. For all metals. Condensed to save shipping costs—add tap water to the pre-measured contents for the correct formulation.

Stock #	Description
CL160.00	Pickle Compound

Pro-Craft Jel-Flux

For hard soldering with flame. Stays put like a paste, will not run like a liquid. Eliminates blind joint soldering. Transparent Jel-Flux produces fewer oxides and residues, allowing for faster pickling. Biodegradable with no toxic fumes.

Stock #	Description
SO54.438	2 oz. Jar

Fluoron Hard Soldering Solution

Use when hard soldering on silver, gold, platinum and other metals to preserve temper and color.

Stock #	Description
SO54.0456/8	8 oz. Bottle

Battern's® Self-Pickling Hard Soldering Flux

Use on gold, silver, platinum and other metals with high melting points. Preserves temper and color of metal. Adhesive qualities of this liquid flux hold solder in place.

Stock #	Size
SO54.402	3 oz.
SO54.404	8 oz.
SO54.406	16 oz.
SO54.408	32 oz.

Magic Flame

Magic Flame is a versatile soldering compound which can be used in the four different ways. Magic Flame eliminates fire scale. Long-lasting, biodegradable and non-flammable. Eight-ounce jar.

Stock #	Description
SO935.10	Magic Flame

Magic Boric Soldering Dip

Dip the piece into Magic Boric and it is ready to solder—no burn-off or waiting. Magic Boric prevents fire scale and will cut soldering time by as much as 50%. Built-in flux. Non-flammable and non-hazardous to ship. Available in eight-ounce screw-lid jars.

Stock #	Description
CL190.00	Magic Boric

Dandix® Paste Flux

Use with low temperature brazing and silver soldering of ferrous and non-ferrous metals. Begins to dissolve oxides at 800°F and is fluid-active between 1100° and 1600°F. Contains no fluoride.

Stock #	Size
SO54.440	1½ oz.
SO54.442	8 oz.

Four ways to use Magic Flame

- *Use Magic Flame at full strength for a superior paste flux.*
- *Add Magic Flame to a small amount of water to create a liquid flux for gold and silver.*
- *Make a dip by adding Magic Flame to denatured alcohol to make a super fire coat. Add as much as needed to get the fire coat desired.*
- *When casting, use Magic Flame at full strength for a great casting flux.*

Soldering Compounds

Borax Flux

Controls oxidation during the melting process. Eight-ounce can.

Stock #	Description
CA22.820	8 oz.

Kerr Super Flux

Special formulation of flux for jewelers. Will minimize oxidation of metal. Use on precious metals for torch or furnace melting.

Stock #	Description
KERR12067	8 oz.

Boric Acid Powder

Use with denatured alcohol to form a protective coating on metal before soldering. Use as a high-grade flux and deoxidizing agent. 8 ounces.

Stock #	Description
SO623	8 oz.

Magic Boric Acid Powder

Extra-fine boric acid powder dissolves quickly. Used with denatured alcohol to form a protective coating on metal before soldering. Also use as a high-grade flux and deoxidizing agent. 16 ounces.

Stock #	Description
SO622	16 oz.

NuCast

NuCast is used in the melting process of casting to revitalize yellow gold and eliminate porosity and pits. No flux is needed, it allows casting at higher temperatures and gives old scrap gold new luster. Comes in shot form, packaged in a two-ounce jar, enough to cast approximately 800 pennyweights of old gold.

Stock #	Description
CA100.00	2 oz.

Stay-Brite Solder Kit

High-strength silver-bearing solder melts and flows at 430°F. Provides strength without the distortion caused by high temperature brazing. Kit contains 1/2 ounce of solder and 1/2 ounce of Stay-Brite flux.

Stock #	Description
SO615	Stay Brite Kit

Stop Flow Anti-Flux Liquid

Prevents solder from flowing to unwanted areas. Quarter-ounce.

Stock #	Description
SO54.472	1/4 oz.

Yellow Ochre Anti-Flux Powder Mix with Alcohol

Prevents flow of solder to unwanted areas, such as previously soldered joints and the moving parts of catches.

Stock #	Description
SO54.470	Yellow Anti-Flux

Flux Bottle

Place flux or other liquid precisely through stainless steel spout.

Stock #	Description
SO901.00	Flux Bottle

Flux Dispenser Pump

Polyethylene bottle has stainless steel pump-action lid to dispense the right amount of flux and prevent contamination of the unused fluid.

Stock #	Description
SO54.415	Flux Dispenser Pump

Tix Flux® & Tix Anti-Flux®

A non-corrosive flux, harmless to hands or clothing. Washes off with water even after drying. Works with any soft solder. Tix Anti-flux prevents solder from flowing to unwanted areas. Half-ounce bottles. Not for hard soldering.

Stock #	Description
SO530	Tix Flux
SO535	Tix Anti Flux

Therma-Guard Protective Blanket

Silquar, a unique ceramic material, forms a protective blanket around any stone or jewel while adjacent metal parts are being soldered or heated. Resists temperatures up to 2000°F. Odorless, non-toxic. Two-ounce jar.

Stock #	Description
SO600	Therma-Guard

Kool-Jool

Protects most stones from soldering heat. Keep jewels in settings except opals. Rinses off in water. Eight-ounce jar.

Stock #	Description
SO54.468	Kool Jool

Vigor Heat Shield Protective Paste

Heat shield protects stones and components under direct 5000°F flame. Odorless and non-toxic, prevents oxidation. Washes off with water.

Stock #	Description
SO545	1lb. Jar

Tix Solder

Tix solder melts at 275°F and has a holding power of 4300 PSI. Adheres to all ordinary solderable materials and works with gun, iron, torch or soldering machine. Stays white and does not tarnish. Tube contains 20 3-inch sticks.

Stock #	Description
SO525	Tix Solder

Silver Bearing Solder Paste

Low-temperature, silver bearing solder paste works with the heat of a match or lighter. Join 22 different combinations of metals. 7.1 grams.

Stock #	Description
SO820.07	Silver Bearing Solder

Pewter Solder Paste

Solder and repair pewter. Corrosion resistant, with excellent color matching abilities, stronger than pot metal. Melts at 400°F. No-waste syringe.

Stock #	Description
SO820.28	Pewter Solder

Copper Bearing Solder Paste

No additional flux is required with this specially formulated paste for use with copper, brass, nickel or bronze. Contains no cadmium or antimony. Flows at 430°F. No-waste syringe.

Stock #	Description
SO820.41	Copper Solder

Aluminum Solder Paste

Great for soldering aluminum, paste melts at only 395°F. Capacity 7.1 grams. No-waste syringe.

Stock #	Description
SO820.21	Aluminum Solder

Silver Solder Wire

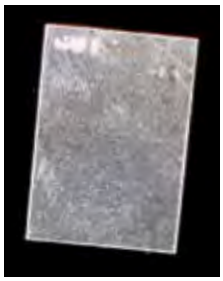
Supplied in five-pennyweight coils.

Stock #	Flow	Flow Temp °F
804-400	X-Easy	1300
804-401	Easy	1325
804-402	Medium	1390
804-403	Hard	1475

Gold Repair Solder Wire

One-pennyweight coils of 18 gauge wire. 1mm x 6 1/2" long.

Stock #	Color	Flow Temp °F
800-298	14 Yellow	1325
801-298	14 White	1380



Silver Solder Sheet

Supplied in five pennyweight sheets.

Stock #	Flow	Flow Temp °F
804-404	X-Easy	1300
804-405	Easy	1325
804-406	Medium	1390
804-407	Hard	1475

Silver Alloy Soldering Rods

Use on non-precious and gold-filled jewelry. Silver rods have a flux core and provide a strong permanent bond with a gold-tone finish. Each rod contains .129 dwt. of silver. Melting temperature 1275°F. 6" x 1/32".

Stock #	Description
SO414	Pack of 4 Rods
SO415	Pack of 12 Rods

Solders

Borel Gold Repair Solders

Repair solder has a lower gold content than the item being repaired. One-pennyweight sheets. Cadmium-free.

Stock #	Color	Flow	Flow Temp °F
807-501	10 Yellow	Easy	1340
807-502	10 Yellow	Medium	1395
807-503	10 Yellow	Hard	1475
808-501	10 White	Easy	1365
808-502	10 White	Medium	1425
808-503	10 White	Hard	1550
809-501	12 Yellow	Easy	1390
800-500	14 Yellow	X-Easy	1295
800-501	14 Yellow	Easy	1325
800-502	14 Yellow	Medium	1380
800-503	14 Yellow	Hard	1470
801-500	14 White	X-Easy	1320
801-501	14 White	Easy	1380
801-502	14 White	Medium	1440
801-503	14 White	Hard	1570
80C-501	18 Yellow	Easy	1425
80C-502	18 Yellow	Medium	1495
80C-503	18 Yellow	Hard	1535
80E-501	18 White	Easy	1465
80E-502	18 White	Medium	1495
80E-503	18 White	Hard	1590
80W-506	20 White	Weld	1610

Borel Gold Paste Solder

Supplied in one-pennyweight syringe.

Stock #	Color	Flow	Flow Temp °F
802-300	YGF	X-Easy	1290
800-300	14 Yellow	Easy	1295
800-301	14KY Plumb	Easy	1330
800-303	14 Yellow	Hard	1410
801-300	14 White	X-Easy	1260
80C-301	18 Yellow	Easy	1330
80C-303	18 Yellow	Hard	1450

Platinum Solder

Supplied in one-pennyweight sheets.

Stock #	Melt Temp °C	Flow Temp °F
80B-1000	1000	1832
80B-1100	1100	2012
80B-1200	1200	2192
80B-1300	1300	2372
80B-1400	1400	2552
80B-1500	1500	2732
80B-1600	1600	2912
80B-1700	1700 seamless	3092

Borel Gold Plumb Solders

Plumb solder has the same gold content as the work being repaired. One-pennyweight sheets. Cadmium-free.

Stock #	Color	Flow	Flow Temp °F
800-550	14K Yellow	X-Easy	1295
800-551	14K Yellow	Easy	1340
800-552	14K Yellow	Medium	1390
800-553	14K Yellow	Hard	1480
800-554	14K Yellow	X-Hard	1540
80G-551/14	14K Green	Grn Easy	1430
80P-553/14	14K Pink	Pink Hard	1560
801-550	14K White	X-Easy	1320
801-551	14K White	Easy	1390
801-552	14K White	Medium	1450
801-553	14K White	Hard	1570
80C-551	18K Yellow	Easy	1430
80C-552	18K Yellow	Medium	1475
80C-553	18K Yellow	Hard	1550
80E-551	18K White	Easy	1460
80E-553	18K White	Hard	1550
80G-553/18	18K Green	Grn Hard	1550
80P-553/18	18K Pink	Pink Hard	1600
80W-556	19K White	Welding	1685

Borel Clipped Gold Solders

One millimeter squares. Does not contain cadmium.

Stock #	Color	Flow	Flow Temp °F
807-721	10 Yellow	Repair Easy	1340
800-721	14 Yellow	Repair Easy	1325
801-721	14 White	Repair Easy	1380
80C-721	18 Yellow	Repair Easy	1425
800-731	14K Yellow	Plumb Easy	1340
80C-731	18K Yellow	Plumb Easy	1430

Noble® Gold Solder

One pennyweight sheets. Contains cadmium.

Stock #	Color	Flow	Flow Temp °F
806-601	Low Yellow	Easy	1325
805-601	Low White	Easy	1325
803-601	8 Yellow	Easy	1385
807-601	10 Yellow	Easy	1320
808-601	10 White	Easy	1410
800-601	14 Yellow	Easy	1315
800-603	14 Yellow	Hard	1475
801-601	14 White	Easy	1375
80C-601	18 Yellow	Easy	1450
80E-601	18 White	Easy	1500

Bergeon Deluxe Staking Tool Set

A metal plate identifies each punch location. Includes special attachment base BG5285-S which allows punches to be used as stumps. Each set is organized in a wooden box.

Stock #	Description
BG5285D	120 Piece Staking Tool Set
BG5285A	25 Punches and 5 Stakes

Individual Stakes, Punches & Anvils

Type	Size	Stock #
Flat/Drilled	*	BG5285/#200-224
Flat/Un-Drilled	*	BG5285/#225-234
Concave/Drilled	*	BG5285/#235-247
Domed/Drilled	*	BG5285/#248-272
Domed/Un-Drilled	*	BG5285/#273-282
Screw Removing Punch	*	BG5285/#283-292
Centering Punch	*	BG5285/293
Triangular Punch	2mm	BG5285/294
	4mm	BG5285/295
Chamfering Tool	1mm	BG5285/296
	2mm	BG5285/297
	3mm	BG5285/298
	4mm	BG5285/299

Star Brand Premium Staking/Jeweling Set

Complete staking tool set and pedestal has a micrometer adjustment which enables the punches to be fitted instead of the stakes. Base has a micrometric height adjustment built-in. Includes 105 punches, 25 stakes, 12 pushers, 15 reamers, six pump pushers and two chamfering tools.

Stock #	Description
BG4765	Star Staking Set, #140.92

Anvil and Pusher Set

Set of anvil and fork staff pusher.

Stock #
BG4765/size

Incabloc Punches and Stakes

Set of six pushers sizes 1.57, 1.87, 2.07, 2.47, 2.97, 3.47mm and seven anvils sizes 1.65, 2.00, 2.30, 2.50, 3.00, 3.50, 4.00mm. Made for Incabloc® shock absorbers.

Stock #	Description
SS118.506	Incabloc Punch Set

Labels, Tissue & Paper Stands

Paper Cutter Stand

Holds all 7½" and 7⅜" rolls of gift paper and tissue. Allows one-handed clean tear-off of paper. Looks nice enough to be kept out on the counter.

Stock #	Description
PA193	Paper Cutter Stand
PA150	Paper Roll 7⅜"

Paper Cutter Stand

This sturdy metal frame can be screwed to a table. Holds up to 24" wide rolls of gift wrap.

Stock #	Description
PA61.091	Paper Cutter Stand

Anti-Tarnish Watch Papers

Four-inch square watch tissues are made in the USA. 1000 per box.

Stock #	Size
PA140	4″ x 4″

Timing Machine Paper

White paper requires ribbon, blue-tinted paper is pressure sensitive.

Stock #	Machine	Color	Width
TS-PRT7810/PAPER	Witschi Equipment	White	58mm
TS-MTG20990/PAPER	TImegrapher MTG4000	White	57mm
PA212	Vibrograph B200 & B300	Blue Tint	36mm
PA197	Vibrograph B100	White	36mm
PA197	Dung Shin TS3000	White	36mm
PA197	Greiner	White	36mm
PA195	Watchmaster	White	76mm
PA70179B	Tickoprint	Blue Tint	33mm
PA70179A	Tickoprint	White	33mm

Jewelers' Tissue Rolls

Use lint-free jewelers' tissue to wrap parts for shipping, storage or handling. Anti-tarnish. Available in three sizes. PA150 is designed for use with paper cutter stand PA193.

Stock #	Size
PA150	7⅜″ x 91 Feet
PA151	20″ x 60 Feet
PA160	20″ x 30,″ 500 Sheets

Watch Papers

Known as watch papers, these handy anti-tarnish squares of tissue are excellent for wrapping silver and jewelry to help prevent tarnishing. Lint-free. Box contains 1000 sheets.

Stock #	Size
PA23.555	4¼″ x 4¼″

5/16" x 1/2"
TA508S

3/8" x 5/8"
TA610S

1/2" x 3/4"
TA812S

Tags shown actual size

Multi-Purpose Adhesive Labels

White, blank self-adhesive labels in three sizes are great for pricing, stock numbers and countless other uses. 1000 per package.

Stock #	Description
TA508S	Removable
TA610S	Removable
TA812S	Removable

Kimwipes

Use these scientific, delicate wipes to clean watch and jewelry parts. Each box contains 280 4.4" x 8.4" fiber wipers.

Stock #	Size
PA148	4.4″ x 8.4″

Round Counter Mirror

Counter mirror features exceptional reflectivity and a stable base with a non-scratch, non-slip pad. One side is normal and the other has 2X magnification. All steel frame with gold finish.

Stock #	Description
MR107.02	7½″ Gold
MR107.03	7½″ Chrome

Round Counter Mirror

Counter mirror features exceptional reflectivity and a stable base with a non-scratch, non-slip pad. One side is normal and the other has 2X magnification. All steel frame with chrome finish.

Stock #	Description
MR107.03	7½″ Chrome

18" Oval Counter Mirror

Elegant oval counter mirror with a non-scratch, non-slip pad is perfect for helping customers try on jewelry. All steel frame with chrome finish.

Stock #	Description
MR110.03	18″ Oval

Fasteners - Elastic Barbs & Twist Ties

Elastic barbs and twist ties are used to attach items to displays, boxes or cards. Elastic barbs are available in black or silver and a variety of sizes. Two-inch long twist ties are black or white. 100 per box.

Stock #	Style	Color	Size
DS-EB2	Elastic Barbs	Black	2½″
DS-EB2S	Elastic Barbs	Silver	2½″
DS-EB1	Elastic Barbs	Black	1½″
DS-EB1S	Elastic Barbs	Silver	1½″
DS-EB8	Elastic Barbs	Black	1″
DS-EB8S	Elastic Barbs	Silver	1″
DS-EB7	Elastic Barbs	Black	¾″
DS-EB7S	Elastic Barbs	Silver	¾″
DS-EB5	Elastic Barbs	Black	½″
DS-EB5S	Elastic Barbs	Silver	½″
DS-TW/W	Twist Ties	White	2″
DS-TW/B	Twist Ties	Black	2″

Jewelers U-Pins

U-shaped pins for mounting jewelry to display pads or boxes. Available in yellow or white. Boxes of 100 or 1000.

Stock #	Color	Quantity
PA240	Yellow	1000
PA241	White	1000
PA242	Yellow	100
PA243	White	100

"Sold" Plugs

Mark empty slots in ring trays to help track inventory. 12 per package.

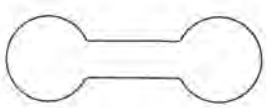
Stock #	Description
DS-TA-50	Gold on Black Plugs
DS-TA-51	Black on Ivory Plugs

Custom Assortments are Convenient

Jewelers and watchmakers love our convenient assortments. A reference chart in the lid helps you find the correct items, and put them back in the correct place! You save money when you purchase assortments, and reordering couldn't be simpler.

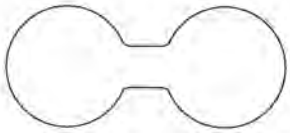
Grobet® Shark Skin Tags

Original Shark Skin tags are self-sticking and they retain their shape and color during ultrasonic and steam cleaning. The non-adhesive center bar will not stick to the rings and the tagged rings may be tried on by customer. Each package of 1000 comes with a marking pen TA700. Tags are drawn actual size.



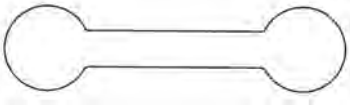
1000 per package.

Stock #	Color
TA701	White
TA702	Blue
TA703	Yellow
TA704	Silver
TA708	Gold



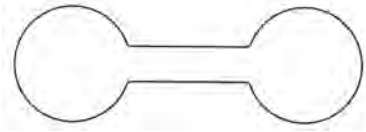
1000 per package.

Stock #	Color
TA710	White
TA712	Yellow



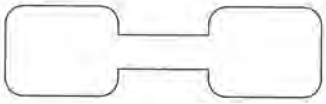
500 per package.

Stock #	Color
TA705	White
TA707	Yellow



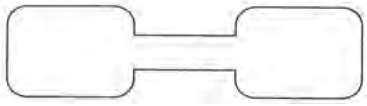
500 per package.

Stock #	Color
TA715	White
TA716	Blue
TA717	Yellow



500 per package.

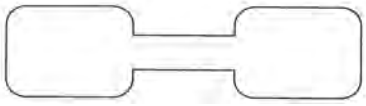
Stock #	Color
TA60.720	White
TA60.722	Yellow



Shark Skin Tags For Dot Matrix Printers

Mounted three across on flat, pin-fed, fan-folded sheets. Waterproof and safe for ultrasonics, with adhesive-free center section. Can also be used in typewriter or as a standard tag. Marking pen included in each package. 1000 per package.

Stock #	Color
TA720	White
TA750	Gold
TA760	Silver



Mylar Tags For Dot Matrix Printers

Strong and smooth for a cleaner print. Mounted three across on flat, pin-fed, fan-folded sheets. Waterproof and safe for ultrasonics with adhesive-free center section. 1000 per package.

Stock #	Color
TA820	White
TA850	Gold
TA860	Silver

Sharkskin Tag Pen

Stock #	Description
TA700	Pen for Sharkskin Tags

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at julesborel.com. It includes some items NOT in our online ordering system.*

Arch Crown Plastic Button-Fast Ring Tags

Classy, "wrap-around" tags are quality-made of plastic. Button "fast ring" tags snap together easily—no tool required. Available in three popular sizes. Stocked in gold, silver, white and frosted. Other colors available by special order. 100 per pack.

Round ring tag, 5/8" x 1 1/2". 100 per pack.

Stock #	Color
TA7183C	Gold
TA7185C	Silver
TA7187C	White
TA7181C	Frosted

Round ring tag with bump, 9/16" x 1 7/16". 100 per pack.

Stock #	Color
TA7023C	Gold
TA7025C	Silver
TA7027C	White
TA7021C	Frosted

Round ring tag with longer shank, 5/8" x 2". 100 per pack.

Stock #	Color
TA7213C	Gold
TA7215C	Silver
TA7217C	White
TA7211C	Frosted

Arch Crown Plastic String Tags

Traditional "string-type" tags are made with high-quality, elegant plastic for longer life. Stocked in gold, silver, white and frosted. Other colors available by special order. Strings match tag color, except for white which has a green string. 100 per pack.

String tag, 1/2" x 7/8". 100 per pack.

Stock #	Color
TA9053C	Gold
TA9055C	Silver
TA9057C	White
TA9051C	Frosted

String tag, 3/8" x 1 3/16". 100 per pack.

Stock #	Color
TA9073C	Gold
TA9075C	Silver
TA9077C	White
TA9071C	Frosted

String tag, 5/16" x 3/4". 100 per pack.

Stock #	Color
TA9083C	Gold
TA9085C	Silver
TA9087C	White
TA9081C	Frosted

Permanent Pen Marker

Use this instantly drying, permanent marker on plastic tags.

Stock #	Color
TA790	Black
TA792	Red
TA794	Green
TA796	Blue

Arch Crown Perma Scribe Etcher

Unlike an ink pen, this Perma Scribe Etching Pen actually scratches the surface color of the tag, revealing the white or black inside layer, achieving lettering in that color. Use only with Arch Crown plastic tag colors gold or silver. Other colors are available except white or frosted.

Stock #	Description
TA798	Perma Scribe

String Tags

Printed String Tags

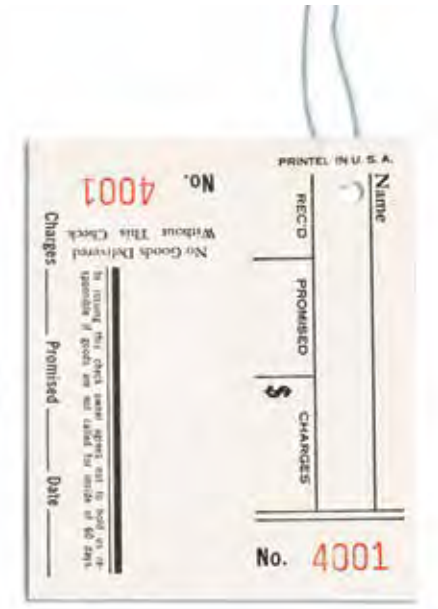
Available in white only, without custom imprinting. Measures 2 3/4" x 1". Boxes of 1000.

Stock #	Description
TA300	Printed String Tags

White Rectangular String Tags

Nicely-sized, plain white string tag. Boxes of 1000. 2 3/4" x 7/8".

Stock #	Description
TA400	String Tag



Two-Part Claim Check Tags

Tear-off, two-part claim checks with both parts numbered can be imprinted with your name and address. Call for imprinting charges. Minimum imprint quantity is 5000. Allow four to six weeks for delivery. Sized at 2 7/8" x 2 3/8". Boxes of 1000.

No.	Claim No.
TA200/1	1 to 1000
TA200/2	1001 to 2000
TA200/3	2001 to 3000
TA200/4	3001 to 4000
TA200/5	4001 to 5000
TA200/6	5001 to 6000
TA200/7	6001 to 7000
TA200/8	7001 to 8000
TA200/9	8001 to 9000
TA200/10	9001 to 10000

White Paper String Tags

One-half the price of PVC tags, and twice the quality of the imported tags. Boxes of 1000.

Stock #	Size
TA60.500	5/16" x 1/2"
TA60.510	5/16" x 5/8"
TA60.520	3/8" x 3/4"

White Paper String Tags

Imported tags with red strings. Boxes of 1000.

Stock #	Size
TA60	5/16" x 1/2"
TA65	1/4" x 5/8"
TA75	3/8" x 1/2"

Specialty Tags

White PVC tags are ultrasonic-proof when used with a permanent marker. 1/2" x 1/2". Boxes of 1000.

Stock #	Description
TA60.550	Tags for Earrings
TA60.551	Tags for Bracelets

Adjustable Tags

Ratchet design allows one tag to fit many different items. PVC tags are ultrasonic-proof when used with a permanent marker. White or gold. 5/16" x 5/8". Boxes of 1000.

Stock #	Description
TA60.602	White
TA60.603	Gold

Instrument Mid-Size Tap & Die Set

Set of eight HSS dies and 24 steel taps with three grooves. Contains sizes: 1.00, 1.20, 1.40, 1.70, 2.00, 2.30, 2.60, and 3.00mm. Includes a trio of three-step taps and one 16mm die per size, a double-handled tap holder and a double-handled die holder. Use taps with one stripe to start the hole, taps with two stripes to shape the hole, and taps with no stripes to finish the hole. All the taps have a 2.5 or 3mm square drive end. Wooden hinged storage box. Made in Germany.

Stock #	Description
BG2776-16	Tap & Die Set, 34 Pieces

Replacement Taps & 8mm Dies

mm	Thread	Tap #	Die #
1.00	0.25	BG30063A/1.00	BG2659C/1.00
1.20	0.25	BG30063A/1.20	BG2659C/1.20
1.40	0.30	BG30063A/1.40	BG2659C/1.40
1.70	0.35	BG30063A/1.70	BG2659C/1.70
2.00	0.40	BG30063A/2.00	BG2659C/2.00
2.30	0.40	BG30063A/2.30	BG2659C/2.30
2.60	0.45	BG30063A/2.60	BG2659C/2.60
3.00	0.50	BG30063A/3.00	BG2659C/3.00

Tap holder

Stock #	Description
PV656	4-Jaw
PV651	4-Jaw Brass

Tap Size Equivalent

mm	Tap
.60	13
.70	12
.80	11
.90	10
1.00	9

Watchmaking Tap & Die Set

Complete set of 12 steel dies and 36 taps. Contains 12 sizes: .40, .50, .65, .70, .80, .90, 1.00, 1.10, 1.20, 1.30, and 1.40mm. Includes three taps and one 8mm die per size and a double-handled die holder. Taps have three grooves and can be held with a 1.5mm pin vise. Wooden hinged storage box. Made in Germany.

Stock #	Description
BG2776-8	Tap & Die Set, 49 Pieces

Replacement Taps & 8mm Dies

mm	Thread	Tap #	Die #
0.40	0.100	BG1967/0.40	BG2659/0.40
0.50	0.125	BG1967/0.50	BG2659/0.50
0.60	0.150	BG1967/0.60	BG2659/0.60
0.65	0.150	BG1967/0.65	BG2659/0.65
0.70	0.175	BG1967/0.70	BG2659/0.70
0.80	0.200	BG1967/0.80	BG2659/0.80
0.90	0.225	BG1967/0.90	BG2659/0.90
1.00	0.250	BG1967/1.00	BG2659/1.00
1.10	0.250	BG1967/1.10	BG2659/1.10
1.20	0.250	BG1967/1.20	BG2659/1.20
1.30	0.300	BG1967/1.30	BG2659/1.30
1.40	0.300	BG1967/1.40	BG2659/1.40

Screw Plate Sets

Use right threaded holes to rethread holes.

Stock #	Quantity	Size/mm
SP420	12 Taps & Plate	.30 - 1.50
SP520	18 Taps & Plate	.40 - 2.00

Tumblers

Arbe Mini Magnetic Tumbler

Shown without tumbling bowl

Small capacity magnetic tumbler holds the equivalent of 10 rings. Has both a centrifugal and a pulsating action to provide a consistent finish regardless of size and shape. Includes 4" bowl, mechanical timer and a half pound of .5mm pins. Use standard ultrasonic cleaning liquid or 750 Powder Compound as a pin lubricant.

Stock #	Description
TM90	Mini Magnetic Tumbler
TM120	5 lbs. 750 Pin Lube Powder

Stainless Steel Pin Media

These stainless steel pins are ideal for magnetic finishers.

Stock #	Description	Quantity
TM373	Tumbling Pins, 0.5 x 5mm	8.8 oz.
TM372	Tumbling Pins, 0.3 x 5mm	8.8 oz.

Burnishing Compound D

Use this rust-inhibiting liquid compound for steel shot burnishing and as a storage compound. Dilute in water to 2%.

Stock #	Description
TM47.80117	1 Quart
TM47.80117/G	1 Gallon

Liquid Compound B

This liquid flow-through compound concentrate is uniquely formulated for plastic, ceramic and porcelain media. As a non-foaming compound, soils that can load the media and darken parts are quickly flushed from the processing channel, resulting in faster cycle times and cleaner parts. Mix to a 2% dilution for flow-through.

Stock #	Description
TM47.80116	1 Quart
TM47.80116/G	1 Gallon

Arbe Small Magnetic Tumbler

Polish 35 to 40 rings at a time with centrifugal and elliptical motion and specially designed magnetic disk. Features a 6" diameter bowl, insulated, fan-cooled motor, mechanical timer and half pound of .5mm pins. Use standard ultrasonic cleaning liquid or 750 Powder Compound as a pin lubricant. 8" W x 10" D x 12" H. 20 pounds. 110 volts.

Stock #	Description
TM95	Magnetic Tumbler

Magnetic Separator

Eliminate tedious separation of ferrous metal media from parts. Magnetic separators can be placed in water to separate the parts with no need to drain the water since the stainless steel separator will not rust.

Stock #	Description
TM47.665	Magnetic Separator

Vibratory Tumblers

Use tumbling to save time and achieve a more uniform finish. The Tumble-Vibe 5 has an 8-inch diameter bowl and a three-pint capacity to hold 25 ladies' ring castings. Polish up to 75 ladies' rings in the other two tumblers. The Tumble-Vibe 10 has a three-quart bowl, noise reduction cover and liquid drain. The AV-18 is a heavier-duty machine, with adjustable amplitude and inlet and outlet ports for compound rinsing. 150 volts/60Hz.

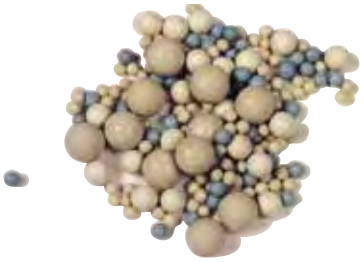
Stock #	Description	Pounds Porcelain/Plastic/Dry
TM47.701	Tumble-Vibe 5	5, 3, 1
TM150	Tumble-Vibe 10	9, 6, 2
TM47.703	AV18 Tumbler	13, 8, 4

Plastic Pyramids Cutting Media

Small plastic pyramid-shaped media for detailed surfaces are available in three different grits. Brown gives the fastest cut and is usually not needed. Green provides a medium or normal cut for the first step. White offers a smooth cut for a prepolish before changing to porcelain balls. Use wet. Five-pound package.

Stock #	Color	Grit	Polishing Time
TM450-710	Brown	Coarse	2-3 Hours
TM450-720	Green	Medium	2-4 Hours
TM450-730	White	Fine	2-4 Hours

MicrobriteTM Porcelain Balls



When used with Raytech's Compound D, porcelain balls are the alternative to steel or stainless steel media for final finishing. Please note that a 4-6 hour break-in period is required. It is recommended to use this mix of 2mm and 4mm sized balls for good vibratory action.

Stock #	Description
TM450-780	Microbrite Porcelain Balls

Dri-Shine III Tumble Dry Final Finish

Tumble dry a final finish using corncob-based media treated with Raytech's proprietary non-rouge, non-staining polishing compound. Tumble dry for 12-14 hours.

Stock #	Description
TM47.80102	Dri-Shine III

750 Polishing Compound for all Metals

750 Polishing Compound is an all purpose burnishing and detergent powder that can be used with porcelain, plastic, steel and stainless steel media in vibratory and rotary tumblers for all metals. This solution gets steel shot clean and bright in 20 minutes. Helps keep parts clean and serves as a rust inhibitor. Also use in higher concentrations for storing steel shot. For standard use, mix 2-4 ounces of powder with one gallon of water. Soft, ionized water is recomended. Five-pound box.

Stock #	Description
TM120	750 Polisher/Media Cleaner

Mixed Steel Shot Media

Use steel shot to burnish metal to a mirror bright finish. Uniform in size and shape, non-abrasive and carefully tempered to ensure long life. Assorted balls, pins and diagonals. Only requires occasional cleaning.

Stock #	Type
TM147.796	Steel
TM147.795	Stainless Steel

920 Polishing Compound for White Metals

Use 920 with porcelain or steel media to polish stainless steel, white gold, sterling, platinum, zinc and aluminum. Use 1-3 ounces per gallon of water. Soft, ionized water is recommended. Five-pound box.

Stock #	Description
TM121	920 Polishing Compound

CAT-F CAT-M CAT-B CAT-MALLARD CAT-CRY CAT-T CAT-HP

Jules Borel & Co. Catalogs

View PDF Catalogs on our website or order a printed copy.

Utility & Soldering Tweezers

Utility tweezers hold work plus protect your hands from chemicals and flames.

Fiber-Gripped Self-Locking Tweezers

Strong cross-locking tweezers hold your work securely while soldering. Heat-resistant fiber grips and either straight or curved polished steel jaws.

Stock #	Description
TW740.00	Straight 6⅛″
TW741.00	Curved 6⅛″

Self-Locking Tungsten-Tipped Tweezers

Tungsten-tipped tweezers will not contaminate other metals, including platinum. Tips are replaceable by the pair. Unit fits onto a third hand base. 7¾” long.

Stock #	Description
TW750.00	Tweezers
TW750.02	Replacement Tips

Standard Fiber-Gripped

Heat resistant fiber handle on a quality straight tweezer.

Stock #	Description
TW744.00	Straight 6⅛″

Copper Tongs

Use with acid and pickling solutions. 9” long.

Stock #	Description
TW920.01	Fishtail
TW920.02	Curved

Ring-Set Soldering Tweezers

Solder ring shanks together quickly and easily. Rings can be accurately positioned for a clean, quick job.

Stock #	Description
TW605.00	Ring Set Tweezers

Head & Shank Tweezers

Use to hold settings and shanks together for accurate soldering. Features a slide lock and serrated pad.

Stock #	Description
TW600.00	Dumont Swiss
TW600.10	Economy

Split Ring Tweezers

Open small and medium-sized split rings easily with these special tweezers.

Stock #	Description
TW608.00	Split Ring Tweezer

Utility & Soldering Tweezers

Utility tweezers hold work plus protect your hands from chemicals and flames.

Self-Locking Fine Point

Stainless Steel, negative locking, fine points, 4 3/4" long.

Stock #	Description
TW935.00	Self-Locking Fine Point

Self-Locking Medium Point

Nickel-plated, negative locking, medium point, 6 1/2" long.

Stock #	Description
TW948.00	Self-Locking Medium Point

Self-Locking Blunt Point

Nickel-plated, negative locking, blunt point, 6 1/2" long.

Stock #	Description
TW947.00	Self-Locking Blunt Point

Slide-Locking Blunt Point

Nickel-plated, slide locking, blunt point, 6 1/2" long.

Stock #	Description
TW949.00	Slide-Locking Blunt Point

Serrated Blunt Point

Stainless steel, serrated, blunt point, 5" long.

Stock #	Description
TW940.00	Serrated Blunt Point

Smooth Straight Point

Nickel-plated, smooth points, 7" long.

Stock #	Description
TW944.00	Smooth Straight Point

Smooth Curved Point

Nickel-plated, smooth curved points, 6 1/2" long.

Stock #	Description
TW945.00	Smooth Curved Point

Pearl & Bead Tweezers

Bead/Pearl Tweezers

Easily holds beads, pearls or spherical stones. Stainless steel, 4" long.

Stock #	Description
TW620.00	Pearl Tweezers

Plastic-Tipped Bead Tweezers

Plastic-coated tip is designed for handling pearls and beads. Stainless steel with excellent grip. 6 1/4" long.

Stock #	Description
TW104.50	Soft-Tipped Tweezers

Diamond Tweezers

Diamond Tweezers have finely serrated jaws with a special grid serration to hold stones and small objects securely with a fine touch. At 6½" long, they offer flexibility and improved balance.

Dumont Diamond Tweezers

Fine Points

Stock #	Description
TW101.70	Stainless Steel
TW103.70	Black Matte
TW105.90	Titanium

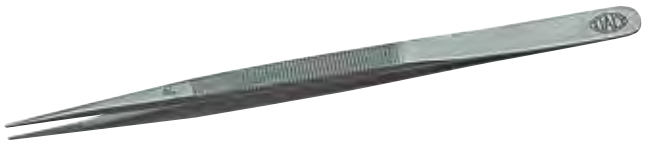
Medium Points

Stock #	Description
TW101.74	Stainless Steel
TW103.74	Black Matte
TW105.94	Titanium

Broad Points

Stock #	Description
TW101.77	Stainless Steel
TW103.77	Black Matte

Italian Diamond Tweezers

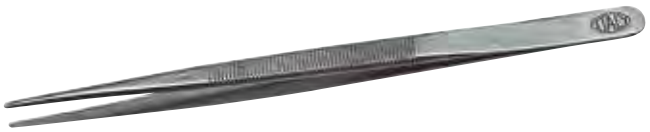


Fine Points

Stock #	Description
TW171.70	Stainless Steel
TW173.70	Black Matte

Medium Points

Stock #	Description
TW171.74	Stainless Steel
TW173.74	Black Matte



Broad Points

Stock #	Description
TW171.77	Stainless Steel

Simply the friendliest supplier on the planet!

Jules Borel started his watch part supply business in 1920. Since then, we have been a premier provider of quality materials, tools and supplies. Besides our comprehensive selection, we offer expert assistance to help you with your watch and jewelry repair challenges, and fast and economical delivery from our Heart of America location.

Call us weekdays 8-5 Central time or check the reference materials and place your orders at julesborel.com, anytime day or night.

Diamond Tweezers

Locking Diamond Tweezers have an improved locking system, plus finely serrated jaws with a special grid serration to hold stones securely with a fine touch. These are 6½" long, flexible and balanced.

Dumont Slide-locking Diamond Tweezers

Fine Points Locking

Stock #	Description
TW101.72	Stainless Steel
TW103.72	Black Matte

Medium Points Locking

Stock #	Description
TW101.76	Stainless Steel
TW103.76	Black Matte

Broad Points Locking

Stock #	Description
TW101.79	Stainless Steel
TW103.79	Black Matte

Italian Slide-Locking Diamond Tweezers

Fine Points

Stock #	Description
TW171.72	Stainless Steel
TW173.72	Black Matte

Medium Points

Stock #	Description
TW171.76	Stainless Steel
TW173.76	Black Matte

Economy Diamond Tweezers

Stock #	Style	Tips
TW701.70	Stainless Steel	Fine
TW701.74	Stainless Steel	Medium
TW703.70	Black Matte	Fine
TW703.74	Black Matte	Medium

Original Dumont® Precision and Hi-Tech Tweezers

Universally recognized as the world's finest maker of tweezers, Dumont offers their line of unequaled excellence. From fine raw steel to hand finishing, Dumont is your guarantee of perfection.

Precision Style #1 - 4¾"

Stock #	Description
TW101	Dumont Carbon
TW351	Dumostar Non-Magnetic
TW381	Titanium Non-Magnetic
TW401	Dumoxel Non-Magnetic
TW501	Inox Stainless Steel
TW1101	Hi-Tech Stainless Steel

Precision Style #2 - 4¾"

Stock #	Description
TW102	Dumont Carbon
TW352	Dumostar Non-Magnetic
TW402	Dumoxel Non-Magnetic
TW502	Inox Stainless Steel
TW1102	Hi-Tech Stainless Steel

Precision Style #3 - 4¾"

Stock #	Description
TW103	Dumont Carbon
TW353	Dumostar Non-Magnetic
TW383	Titanium Non-Magnetic
TW403	Dumoxel Non-Magnetic
TW503	Inox Stainless Steel
TW1103	Hi-Tech Stainless Steel

Precision Style #3C - 4½"

Stock #	Description
TW103C	Dumont Carbon
TW353C	Dumostar Non-Magnetic
TW403C	Dumoxel Non-Magnetic
TW503C	Inox Stainless Steel
TW1103C	Hi-Tech Stainless Steel

Precision Style #4 - 4½"

Stock #	Description
TW104	Dumont Carbon
TW404	Dumoxel Non-Magnetic
TW504	Inox Stainless Steel

Original Dumont® Precision and Hi-Tech Tweezers

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Precision Style #5 - 4½"

Stock #	Description
TW105	Dumont Carbon
TW355	Dumostar Non-Magnetic
TW405	Dumoxel Non-Magnetic
TW505	Inox Stainless Steel
TW1105	Hi-Tech Stainless Steel

Style #6 - 4½"

Sharp, hooked points for wire wrapping, forming, bending and coiling.

Stock #	Description
TW106	Dumont Carbon
TW1206	HiTech Stainless Steel

Precision Style #7 - 4½"

Stock #	Description
TW107A	Carbon
TW407	Dumoxel Non-Magnetic
TW507B	Inox Stainless Steel

Precision Style #00 - 4¾"

Stock #	Description
TW100	Carbon
TW400	Dumoxel Non-Magnetic
TW500	Inox Stainless Steel
TW57.478	Peer Non-Magnetic

Tweezer #0A

Features rounded, finished tips. 4⅓" long.

Stock #	Description
TW100A	Carbon Steel

Tweezer #0C

Flat shank edges enable the user to grip and hold the object with the edge as well as the tip. Points are honed and blunt. 90mm, 3½" long.

Stock #	Description
TW100C	Dumont Carbon
TW430C	Dumoxel Stainless Steel
TW530C	Inox Stainless Steel

Specialty Tweezers

Tweezer #00C

110mm long, 4 1/3".

Stock #	Description
TW1847	Carbon Steel

Tweezer #AC

Similar to #00C but plain points, wider tips.

Stock #	Description
TW200.61	Dumont Carbon

Tweezer #10B

110mm long, 4 1/3".

Stock #	Description
BG6603-10B	Curving Hairspring

Tweezer #11

Non-magnetic, nickel tweezer is 4 1/3", 110mm long.

Stock #	Description
BG6603-11	Medium Points; Nickel

Tweezer #12

Non-magnetic nickel (not marked) tweezer is 4 1/3".

Stock #	Description
BG6603-12	Fine Points; Nickel

Tweezer #15

Tweezer have a straight end cutting edge for close cuts. 4 1/3", 110mm long.

Stock #	Description
TW115	Dumont Carbon

Tweezer #15A

Tweezer has a strong oblique cutting edge for close cuts on many types of hairspring wire. 4 1/3", 110mm long.

Stock #	Description
BG6603-15A	Dumont Carbon

Cutting Tweezers

Nickled steel D Pattern with jaws that cut.

Stock #	Description
BG1056D	D Pattern

AM Tweezers

Completely non-magnetic for handling miniature parts. 5" long.

Stock #	Description
TW57.556	Brass, Swiss

Hand Flattening Tweezer F

Flatten hands on watches. Swiss.

Stock #	Description
BG5007F	Carbon Steel

Hand Flattening Tweezer F1

Mirror-polished tips, non-magnetic for flattening hands on watches. Swiss.

Stock #	Description
TW-M312-F1	Non-magnetic

Hand Flattening Tweezer

Flatten hands on watches. Replaceable delrin tips. Swiss.

Stock #	Description
TW-M721	Aluminum
TW-M721A	Pair Tips

Wooden Tip Tweezers

Wooden tips create friction that allow you to hold delicate parts without scratching.

Stock #	Description
TW99	Wood Tip

H Tweezers

Stubby, wide shanks provide a strong grip. Use in pairs for hairspring adjusting, etc. 90mm, 3½" long.

Stock #	Description
TW129	Dumont Carbon

MM Tweezers

MM style brass tweezer from Horotec.

Stock #	Description
TW-M303-MM	Brass

B5 Tweezers

Swiss tweezers made of special non-magnetic alloys.

Stock #	Description
BG1065-B5B	Nickel
BG1065-B5D	Bronze
BG1065/B5C	Brass

Specialty Tweezers

Transparent Rods

Stock #	Description
BG5206/3MM	Transparent Rods, 3mm
BG5206/4MM	Transparent Rods, 4mm
BG5206/5MM	Transparent Rods, 5mm

Watchmaker's Pick

Use these picks to position batteries and watch parts without marring movements. BG6436 is made of polystyrene, with one flat and one pointed end. Length 135mm and diameter 4mm. BG7010 is made of improved, very resistant polyamide. One pointed end, .018mm, and one flat end, 4mm. Length 150mm and diameter 5mm.

Stock #	Description
BG7010	Black
BG6436	Red

Plastic Tweezers

Strong, lightweight glass-filled plastic tweezers resist alcohol, acetone and solutions containing nitric acid. Perfect for handling watch batteries. $4^{5}/_{8}$" long.

Stock #	Description
TW799.00	Plastic Tweezers

Plastic Battery Tweezers

Stock #	Description
TW800.455	Battery Tweezer

"Softie" Stone Tweezers

"Softie" stone tweezers with nylon tips on a fine stainless steel shank. $6^{1}/_{2}$" long.

Stock #	Description
TW165.10	Softie Tweezers

Screw Holding Tweezers

Screw holding tweezers for positioning cell strap screws.

Stock #	Description
TW808.00	Screw Tweezers

Steam Tweezers

Chrome-plated steam cleaning tweezers with a thick coating on their tips to hold items securely and help insulate from heat.

Stock #	Description
TW957.00	12″ Steam Tweezers
TW955.00	10″ Steam Tweezers
TW954.00	8″ Steam Tweezers

Special SA Tweezers

Economy priced, anti-acid tweezers have very fine points. These tweezers are anti-magnetic stainless steel.

Stock #	Length	Style
TW653	4¾″	3
TW655	4½″	5
TW658	5″	AA
TW659	5½″	SS

TW653
TW655
TW658
TW659

Cutting Tweezers

Economy tweezers with wedge point.

Stock #	Description
TW15ASW	Stainless Steel

TW15ASW

Economy Tweezers

Stock #	Description
TW57.5593	Brass 3
TW57.559AA	Brass AA
TW57.559MM	Brass MM

TW57.5593
TW57.559AA
TW57.559MM

Jumbo AA Tweezers

Jumbo AA tweezers are a full 6¼" long with medium points for bigger jobs. The length is helpful when holding items for soldering.

Stock #	Description
TW735.42	AA Jumbo Tweezers

TW735.42

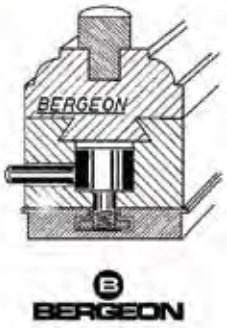
Special Economy Tweezers

Utility grade tweezers are ideal for servicing and repairing jewelry, electronic components or hobby items. These anti-magnetic, stainless steel tweezers are an exceptional value without compromising quality.

Stock #	Length	Style
TW736.10	4¾″	1
TW736.16	4¾″	3
TW736.18	4½″	3C
TW736.22	4½″	5

TW736.10
TW736.16
TW736.18
TW736.22

Vises



Bergeon Removable Bench Vise

Install the bench plate where you need a removable vise. The lever lock allows for quick installation and removal. Jaw width 45mm. Swiss.

Stock #	Description
BG2021	Vise with Bench Plate
BG2021A	Extra Bench Plate

Revolving Mini Vises

Versatile vise swivels 360° for working in any direction. 1¼" drop-forged with smooth jaws for delicate work on soft metals. Clamps or screws to any bench.

Stock #	Description
VS311.00	1¼" Clamp Type
VS310.00	1¼" Bench Type

Mini Bench Vises

Two new miniature vises have small, one-inch jaws for precision work. One clamps, the other screws permanently onto the bench. Cast iron for durability with an enamel coating.

Stock #	Description
VS214.10	1" Clamp Type
VS215.10	1" Bench Type

Mini Vise for Drilling

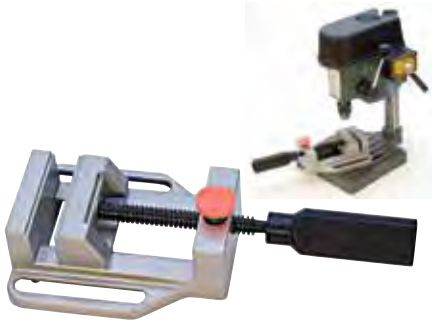
Mount with bolts to Foredom drill presses. Zinc die-cast mini vise firmly grasps small workpieces for precision drilling. Horizontal and vertical "V" grooves hold round stock. Jaw width 13/16", capacity 1½", height ½".

Stock #	Description
FDM-37200	Foredom Mini Vise

Removable Precision Vise

Screw mount plate to the workbench for an easily removable vise. Uses a reliable clamping device with its operating lever on the side of the vise. Smooth, parallel 45mm jaws.

Stock #	Description
VS2022	1¾" Precision Vise



Drill Press Vise

Economical, aluminum drill press vise. Vise has slots for optional attachment to drill press base. Quick release permits rapid opening and closing of jaws. Jaws 65mm wide, 27mm height, jaw opening 70mm. Overall dimensions 9 ½" x 4 ½"

Stock #	Description
VS265.00	Drill Vise

Universal Work Holder

Hold small or large items by moving the movable pins. Includes 10 pins.

Stock #	Description
HO590A	Holder
HO591/1	Set of Four Pins

American Watchmakers-Clockmakers Institute

AWCI is the premier professional, international organization dedicated to preserving and promoting the highest standards of workmanship in the horological crafts and the horology industry.

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Promoting education and certification is a vital function of the American Watchmakers-Clockmakers Institute. AWCI addresses the technological changes in today's horological industry and provides continuing eduation and certification to practicing professionals.

AWCI's Academy of Watchmaking offers a series of refresher courses in watch repair. All classes are held at the AWCI Training Facility in Harrison, Ohio. For complete course information and required tools, please visit AWCI's website at http://www.awci.com/services/continue-edu.php. To become a member of AWCI and take advantage of these benefits, visit AWCI's website: www.awci.com.

AWCI Most Popular Class Tools

Stock Numbers	Item & Description
ST601	Arkansas Slip, Triangular, 77 mm x 6.35mm
BG30610/1.00	Barrel Arbor Holder, 1.00mm, Slide Locking Jaws
BG30610/1.50	Barrel Arbor Holder, 1.50mm, Slide Locking Jaws
RM820	Barrel Mainspring Closing Tool
BG5445A	Benzine Glass Jar Fix'o'Drop, 15ml Epalame
BG1300-6	Brush, Medium, One Dip 90mm Long
BU16.213	Brush, Medium, One Dip 81mm Long
BG1103/4	Brush, 3 row, #4 Soft Cleaning, 8½" Long
BU543	Brush, Soft #3, 10" Long
BU544	Brush, Very Soft #4, 10" Long
GRS02-232	Carbide Graver, Blank
GRS02-233	Carbide Graver, Square
BG5394	Casing Cushion, 53mm
BG1712-DI .025	Drills, Pivot, .25mm, Balance
BG6938	Dial Protection Pad, Plastic
BL180	Dust Blower, Swiss Blue A/F18666, Rubber
BG5733	Dust Blower, Swiss Flat Bottom, Rubber
FI31.148	File, Hand Cut 4, 150mm x 19.1mm x 4mm, Swiss
BG6636	Emery Stick Assortment , 15 Sticks
BG658426/144	Finger cots, Nitrite, Large Size, 144 Pieces
BG5840size/144	Finger cots, (State Size M-L-XL) 144 Pieces
MA37.534	Hammer, Brass and Fiber
BG1438-E3	Hammer, Brass Swiss
BG6403	Knife with Case Opener
BG1282A	Leather Cham
BG30018	Lever for Hands, 2.50mm, Polish Jaw to Mirror
BG5430	Levers for Hairsprings, 1.7mm Collet
EL17613	Loupe, 12X, Swiss A/F
BG4902/3	Loupe, Aplantic, 3.3X, Bergeon
BG4902/2.5	Loupe, Aplantic, 4X, Bergeon
EL802-1/2	Loupe, Aplantic, 4X, Bausch & Lomb
OL118.590	Fomblin Grease
OL-HP1000	Lubricant, Moebius. HP1000
OL5900-D5	Lubricant, Moebius, Microglisse D5
OL9415	Lubricant, Moebius, Pallet Fork Grease 9415
OL9010	Lubricant, Moebius, Synth-A-Lube 9010
OL9020	Lubricant, Moebius, Visco-Lube 9020
OL-P125	Lubricant, P125 Chronogrease
OL325	Lubricant, KT22 Grease (MR-2) Syringe

Stock Numbers	Item & Description
BG4040	Movement Holder. Large
BG30180A	Oil Cups, Chromium Die Cast, 4 Separate Cups
BG30102A	Oilers, Red, 2 Each, Bergeon Only
BG30102N	Oilers, Black, 2 Each, Bergeon Only
CO-CTA006	Opener, Case Blade, Citizen Orange Handle
PW603	Pegwood, 3mm Sticks, Orangewood
PW604	Pegwood, 4mm Sticks, Orangewood
BG2802LN	Poising Tool
BG5860	Pin Vise, Double Ended, 0-3.2mm
PV656	Pin Vise, Double Ended, 0-3.2mm
PW23334	Pithwood, Assorted Round Buttons
PW17792	Pithwood Sticks, 8mm-11mm, 3¾" Long
PW17792E	Pithwood Sticks, Unfinished, 3¾" Long
BG5206/4mm	Plexiglass Rod, 4mm Diameter, 6" Long
PL30E	Parallel Pliers, Serrated Teeth with Groove
BG30638/3	Presto, for Chronorunner Wheel #3
BG30636/1	Presto, Hand Removers #1, Polish Jaw to Mirror
HT-M5015	Hand Fitting Tool, Horotech, 1 Position
HT-M5017	Hand Fitting Tool, Horotech, 3 Positions
BG6033	Rodico, Set of 2, Bergeon Green
BG7033	Rodico, Set of 2, Bergeon New Gray
CL18580	Rub-Off, Set of 2, A/F Blue
BG2810	Roller Remover, Polish Jaw to Mirror
BG6899	Screwdrivers,Set 10 on Stand, Ergonomic Bergeon
BG3044A	Screwdrivers, Set 10 on Stand, Bergeon
SD-M201C	Screwdrivers, Set 10 on Stand, Horotech
SD980.00	Screwdrivers, Set 9 on Stand, French
SD980.01	Screwdrivers, Set 9 on Stand French in Pouch
BG30097BC	Tray and Cover, Plexiglass Bell, Bergeon Swiss
BG30548	Truing Tool, Lyre Shape
TW403	Tweezers, Antimagnetic, #3 Dumont Dumoxel
TW57.478	Tweezers, Antimagnetic #00, Cap Jewel Peer
TW405	Tweezers, Antimagnetic #5, Dumont Dumoxel
TW57.556	Tweezers, Brass AM, Swiss
TW-M721	Tweezers, Hand, Delrin White Flat Tipped, Horotech
PA140	Watch Paper, Box 1000, 4" X 4", USA, Anti-tarnish
PA23.555	Watch Paper, Box 1000, 4¼" X 4¼", Anti-tarnish
EV2X2	Zip-Loc Bags, 2" x 2" Clear, 100 Pack

Circuit Testers

Witschi Cyclonic

Test drive trains, test circuits, check hand positioning, test batteries and free a stopped train. Rapidly rotate the gear train to release oil and dirt from the bearings. This may enable a blocked movement to be restored to normal operation. This function is especially useful for watch cases that cannot be opened.

Stock #	Size
TS-CYCLONIC	5.3″ x 5.3″

Improved Watch Analyzer

Check batteries, step-motor and coils using this improved tester.

Stock #	Description
TS200.00	Watch Anaylzer

Recharger for Seiko Kinetics

Charge run-down Seiko Kinetic watch models 1M, 3M, 4M, 5M, 5J, 7L and 9T. Set to charge in 30 minutes to 3 1/2 hours. Size 6” x 6”.

- Charge up watches for sale
- Quickly charge customer’s watches
- Resell to Kinetic customers who do not wear the watch often enough to keep it charged

Stock #	Description
TS-SKENETIC	Seiko Recharger

Energizer Battery Tester and Analyzer

Test batteries and analyze quartz movements without removing them from the case using this dual function instrument. Test results are indicated with lights and audio signals. Includes a 9-volt battery. With the purchase of 60 batteries, you can receive the W3000 at a discounted price. See stock number W3000/60.

Stock #	Description
W3000	Battery Tester/Analyzer
W3000/60	Tester with 60 Assorted Batteries

Energizer Miniature Battery Tester

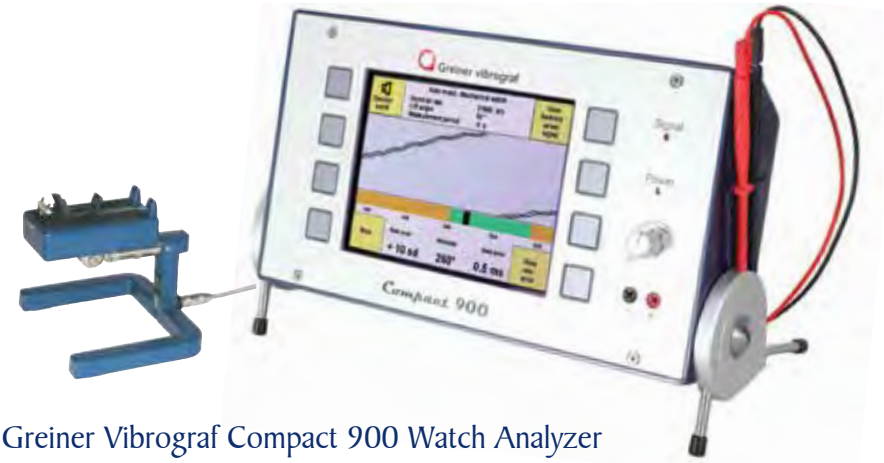
Use this modern-style tester to test high and low drain silver-oxide, mercury, or lithium batteries.

Stock #
EWB1

Timegrapher

Analyze and regulate mechanical watches. See the rate, beat error, amplitude and simulation of the beat noise with pause function. Provides test over time feature to increase accuracy of results, and shows the time and calendar on the 6” x 3 1/2” color LCD screen. Measures in beats from 18000, 19800, 21600, 25200, 2880 0 and 36000. Use with optional MTG2990 printer. 10 1/4” x 6 3/4” x 4 3/4”.

Stock #	Description
TS-MTG4000A	Watch Timing Machine
TS-MTG2990	Printer with 5 Rolls of Paper



Greiner Vibrograf Compact 900 Watch Analyzer

Universal watch timing instrument tests mechanical and quartz watches. Results are shown on the color LCD display, or may be hooked to a PC and printer with a serial RS232 interface for data storage and printing. The Compact 900 features an oscilloscope to view escapement noise.

Stock #	Description
VIB-900M	Mechanical Timer and Anaylzer

Witschi ChronoCube

The ChronoCube mechanical watch tester is a revolution in user-friendliness, quality and design. It measures rate variation, amplitude and beat error in mechanical watches in five measuring positions. Evaluate watches right at the counter. Insert watch, touch sensor, and watch the settings appear. The Chronocube system consists of a measuring device and software for Windows XP, Vista, or Windows 7. Steel colored, 4.33" x 4.33" x 4.5"

Stock #	Description
TS-CHRONOCUBE	Mechanical Timer

Compact 900 Automatic Microphone, Optional

Features adjustable stabilization and measuring time. Seven programmable test positions. Includes program for dynamic balance wheel poising.

Stock #	Description
VIB-AM10	Automatic Microphone

Quartz & Mechanical Fixed Microphone, Optional

Use VIB-QM06 fixed microphone with the Compact 900 to time and analyze quartz and mechanical movements.

Stock #	Description
VIB-QM06	Fixed Microphone

Mirrored Testing Platform, Optional

The VIB-EM06 testing platform uses adjustable probe contact arms to supply power to the movement and test the circuit and coil.

Stock #	Description
VIB-EM06	Mirrored Platform
BG6515	Movement Holder

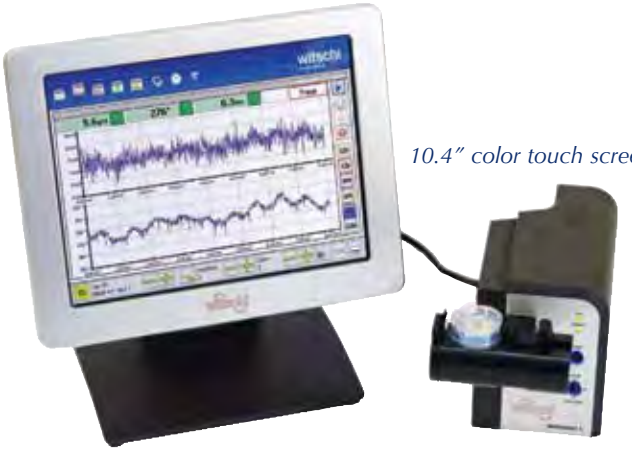
Greiner Chrono Touch

The Chrono Touch belongs to the latest generation of watch testers. Simple operation is via a touchscreen and a crystal-clear, high-resolution color display.

Key features

- Automatic detection of beat number, rate, amplitude and beat error
- Measurement time and lift angle can be freely selected
- Graphic display of beat noise of watch (oscillogram)
- Loudspeaker for listening to watch noise
- USB / PC interfaces for data transfer and adding software updates
- Ethernet interface for network connection

Stock #	Description
TS-CHRONOTOUCH	Mechanical Watch Analyzer



10.4″ color touch screen

Witschi Mechanical Analyzer X1

Test mechanical watches and store data using this six-position mechanical watch chronoscope. Calculate the gravity point of the balance wheel. Four screens: Continuous Diagram, Vario Display Linear Scale, Trace Mode Graphical Format. The Sequencing Display provides a table of the testing positions results.

Measuring Modes:

- Standard: Mode for watches with Swiss escapement
- Special 1: Mode for watches with Coaxial escapement
- Special 2: Mode for watches with AP escapement
- Special 4: Amplitude filter for Swiss escapement
- Special 6: Mode for Chronograph “Foudroyante”

Stock #	Description
TS-CHRONOSCOPE X1	Mechanical Analyzer

Witschi Mechanical Analyzer S1 & Automatic Microphone

See S1 features described at the right. Add the Micromat-S microphone to have six positions to allow work during recording. See measurement results for each position: dial up, dial down, crown left, crown right, crown down, crown up. The automatic microphone provides a table of up to six testing positions results. It lists the rate, amplitude, beat error for each position, the average, and the delta.

Stock #	Description
TS-CHRONOSCOPE-S1	Analyzer without Microphone
TS-MICROMAT-S	Automatic Microphone for S1

5.75″ x 1.5″ LCD display

Witschi Mechanical Analyzer EXPERT 3

Displays rate deviation, amplitude and beat error of mechanical watches. For use on regular, co-axial and AP escapements. Built-in speaker projects beat noise.

Features two testing screens:

- Continuous Diagram screen (Line Graph). The last five screens are retrievable
- Vario Display features a Linear Scale format screen. Examine the stability and scattering of the rate accuracy or the amplitude for up to 100 hours

Stock #	Description
TS-EXPERT3	Mechanical Analyzer

5″ x 2.88″ LCD display

Witschi Mechanical Analyzer S1 with Manual Microphone

The manual microphone has a built-in speaker for listening to beat noise. Screens on the S1 include Trace Mode Graphical format screen for up to 100 hours, Continuous Diagram screen, Vario Display Linear Scale Format screen, and Beat Scope which graphically displays beat escapement noise.

Measuring Modes:

- Standard: Mode for watches with the Swiss escapement
- Special 1: Mode for watches with Coaxial escapement
- Special 2: Mode for watches with AP escapement
- Special 4: Mode—specific amplitude filter to measure watches with the Swiss escapement

Stock #	Description
TS-CHRONOSCOPE-S1WM	Analyzer with Manual Microphone

Witschi Mechanical Analyzer MICROMAT C

With its measuring modes the same as Chronoscope X1, use this Mechanical Automatic microphone with your computer or laptop monitor. Measure rate accuracy, amplitude and beat error of mechanical watches. See continuous diagram recording and graphical display of the beat noises over the complete period. Measure the gravity localization of the balance wheel's unbalanced error. The long-term measurement power reserve allows tests of watches for up to 12.5 days.

Stock #	Description
TS-MICROMAT C	Mechanical Analyzer Microphone

5.5″ x .75″LCD Screen

Witschi Quartz Anaylzer HANDY2

Measure rate accuracy, the current consumption and test of components of quartz watches. The TS-Handy performs all electrical measurements and tests on quartz watches, providing measurements and testing required for a professional search for defects in quartz watches. Analyze and measure rate in seconds per day or seconds per month, measure IC and total consumption in micro-amps, resistance, test for short circuits or interrupts, and test batteries from 0 to 5 volts.

Stock #	Description
TS-HANDY2	Quartz Anaylzer

4.75″ x 3.5″ x LCD display

Witschi Quartz and Mechanical ANALYZER TWIN

For quartz testing:

Trace the rate and current for up to 64 hours. Rate deviation, current and resistance measurement. Measure coil resistance and detect short circuits. Analyze the chopping level and pulse width of motor current. Determine efficiency of the watch drive train without opening the watch.

For mechanical testing:

Features four testing screens. Continuous Diagram (Line Graph), Vario Display (Linear Scale format screen), Trace Mode (Graphical form screen), Position Sequencing Display. Manual microphone displays results from up to 6 different testing positions. Measuring modes included for watches with AP and coaxial escapement. Uses the Martel Printer, prints text only.

Stock #	Description
TS-ANALYZER TWIN	Quartz and Mechanical Analyzer

4.75″ x 3.5″ x LCD display

Witschi Quartz Anaylzer Q1

Measure rate deviation, current and resistance measurement. Trace the rate and current measurement diagrams for up to 60 hours. Measure coil resistance and detect short circuits. Analyze the chopping level and pulse width of motor current. Determine the efficiency of the watch drive train without opening the watch. Mechanical Vario Display of shows watch amplitude, rate and beat error. The minimum, average and maximum values of the individual measurements are displayed simultaneously.

Stock #	Description
TS-ANALYZER Q1	Quartz Analyzer

Witschi Dry Waterproof Tester PROOFMASTER-M

Similar to the Proofmaster-S but with more functions. Tests waterproofing up to 10 BAR. Adds fully automated dome opening and closing and a user-friendly touch-screen.

- Nine preset programs
- 45 custom programs available
- Leak Finder program shows location of leak in watch
- Maximum watch size 70mm diameter x 28mm thick

Stock #	Description
TS-PROOFMASTER-M	Dry Waterproof Tester

Witschi Dry Waterproof Tester PROOFMASTER-S

Pressurize from .2 to 10 BAR and vacuum to -.7 BAR to detect small and large leaks. If leak is small, pressure will remain inside the watch to show air bubbles underwater.

Seven preset programs

- Ten custom programs available
- Leak Finder program shows location of leak in watch
- Maximum watch size 70mm diameter x 28mm thick

Stock #	Description
TS-PROOFMASTER-S	Dry Waterproof Tester

Jun-Air Silent Air Compressor

Create pressure efficiently using the Jun-Air. Tank pressurizes to 175 psi or 12 BAR. Gauges show tank pressure and hose pressure. Only Jules Borel & Co. protects the Proofmaster by including two filters, 5 microns and 1/100 micron. Comes with easy-to-follow, detailed maintenance instructions.

Stock #	Description
AC6411	Silent Air Compressor

If you already own a Jun-air, check that it pressurizes to 175 psi and supplies a minimum of 145 psi during a 10 bar test, in order to work with a Proofmaster.

GAST Air Compressor

Use this pump with the VIB-LT100. This machine pumps air but does not store it.

Stock #	Description
VIB-LT-GAST	Air Compressor

Jun-Air Bench Valve System

Jun-Air Proofmaster compressor with AC6410 "Y" Valve for bench air.

Stock #	Description
AC6410	Bench Air System

Greiner LT100 Poseidon Dry Waterproof Tester

Dry waterproof testing to 10 BAR pressure and vacuum to -0.7 BAR. Performs seven programmable and five preset programs.

Stock #	Description
VIB-LT 100	Dry Waterproof Tester

Panther Compressor for Proofmaster

Economical compressor for the Witschi Proofmaster S. Provides 12 bar pressure. CSA certified.

Stock #	Description
AC6414	Silent Air Compressor

Waterproof Testing

Roxer Natator 125 Pressure Wet Waterproof Tester

Test watch cases to 125 Bar, 4,237 feet, below sea level using the Swiss-made Natator 125. Check high-end diving watches at high and low pressure. Next, perform a condensation test by heating the case to 50° C (122° F) then cooling the case to 10° C (50°F) while examining for condensation forming on the crystal. These tests are required by high-end manufacturers. Swiss.

Stock #	Description
VIB-NATATOR-125	Pressure Testing Machine

Roxer Diabolic-E Vacuum Wet Waterproof Tester

Immerse watch in water to perform a vacuum leak check. Easy to use, the point of leak is visible immediately. Automatic vacuum pump is built into the unit. Holds 6.76 ounces water. Weighs 12.33 pounds. 8" W x 11"D x 12" H.

Stock #	Description
VIB-DIABOLIC E	Wet Waterproof Tester

Diver 125 Waterproof Tester

Use this USA-made tester to check cases to 125 BAR. This is an excellent tester for high-end diving watches. After testing the recommended time, perform a condensation test where the case is heated to 117° and a drop of water placed on the crystal and observed for condensation.

Stock #	Description
TS-DIVER125	Diver 125 Waterproof Tester

Roxer REVELATOR-R1

Enables a condensation test to be carried out on watches with thick crystals up to 5 mm since the water droplet test is not as effective on thicker crystals. The R-1 tester heats the watch to 50°, then cools the watch to 10°.

Essential complement to the ROXER watertightness control product range.

Stock #	Description
VIB-REVELATOR-R1	Condensation Tester

Condensation Heating Plate

Heat watches to 47°C to detect moisture inside the case after testing at 125 BAR. Weighs 5.2kg, measures 290 x 33 x 110mm. Can hold up to 20 watches. Electrical supply 115/230V/50 HZ, power supply 300 W.

Stock #	Description
VIB-PR1	Plarox Heater

Watch Hotplate

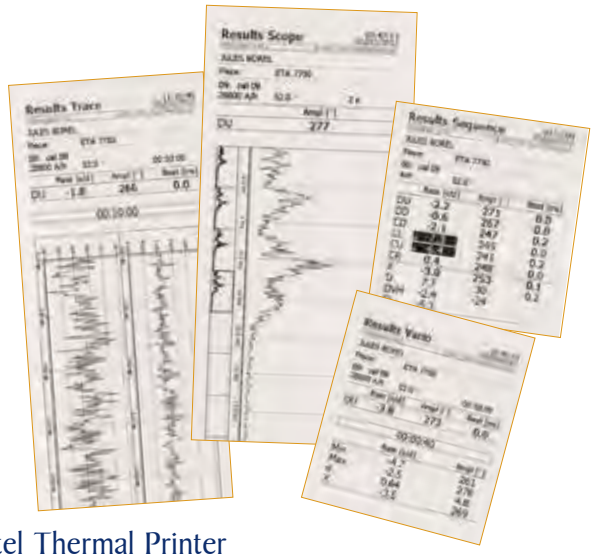
Maintains consistent, repeatable temperature settings. Temperatures adjustable in 5°C increments.

- Loosen glued crystals in a few minutes
- Heat solution to dissolve out steel screws
- Heat escapement testers

Stock #	Description
TS-HOTPLATE	Watch Hotplate

Major Equipment Flyer

This is THE resource for watch-makers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. With lots of information in 28 pages, you will want a copy of CAT-TM.



Martel Thermal Printer

Connect to Witschi and Elma watch and waterproof testers. Prints clear text and graphics, except text only with the Analyzer Twin. AC powered, also operates on 4 AA batteries.

Stock #	Description
TS-PRT7810	Thermal Martel Printer

Witschi Printer

Thermal printer for Proofmasters and other Witschi equipment.

- Larger & heavier
- Prints test results quicker than before
- Cuts paper automatically

Stock #	Description
TS-JBN01	Thermal Printer for Witschi

The cylinder for the old BG5555 is discontinued. Bergeon has developed a conversion kit, BG5555/SET, for the new cylinder which includes a cylinder, new top with watch holder, new bottom, plus gaskets.

Bergeon Wet Waterproof Tester, 3 Bar

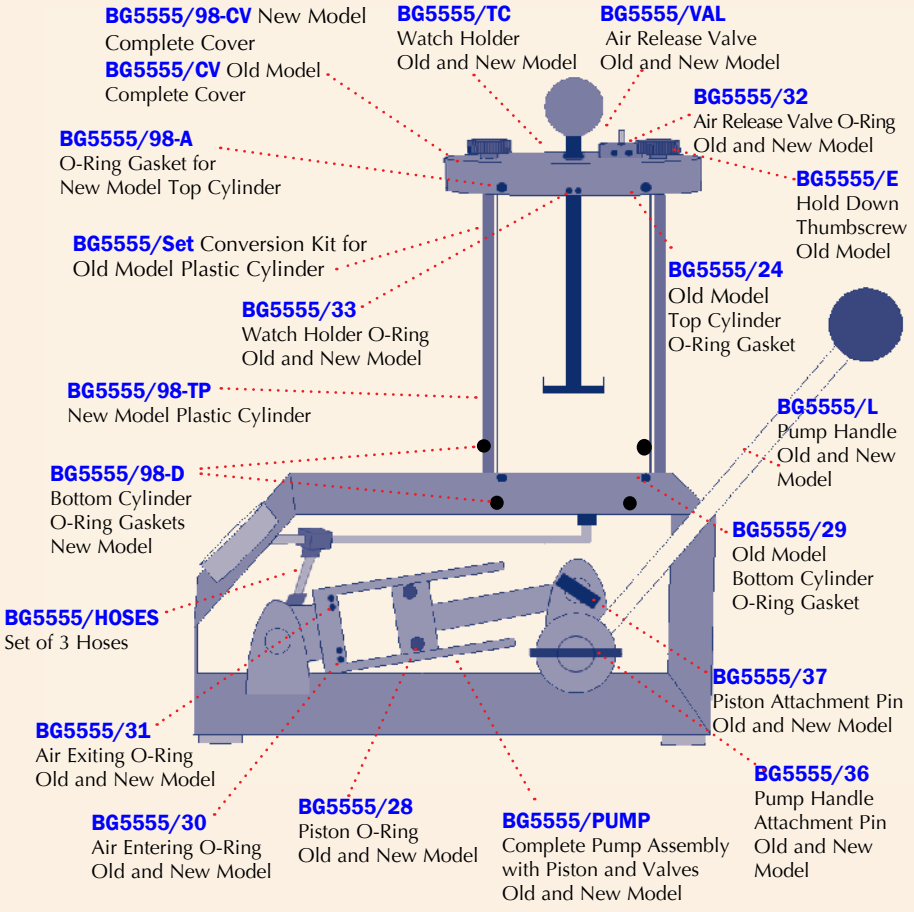
Test the water resistance of watch cases up to 3 BAR (99 feet.) Fill the chamber half full of distilled water and pressurize by pumping lever. Lower the case into the water and release the pressure. Bubbles appearing on the case indicate the location of a leak. Instructions included. Holds two watches. Water-tight cylinder is easy to dismantle for cleaning. Swiss.

Stock #	Description
BG5555/98	Waterproof Tester
BG5555/ASST	Set Old Model O-rings
BG5555/98ASST	Set New Model O-rings

Repair Parts for Old BG5555 and New BG5555/98

See illustration at right for descriptions.

Stock #
1. BG5555/SET
2. BG5555/24
3. BG5555/28
4. BG5555/29
5. BG5555/30
6. BG5555/31
7. BG5555/32
8. BG5555/33
9. BG5555/36
10. BG5555/37
11. BG5555/98-A
12. BG5555/98-CV
13. BG5555/98-D
14. BG5555/98-TP
15. BG5555/CV
16. BG5555/E
17. BG5555/HOSES
18. BG5555/L
19. BG5555/PUMP
20. BG5555/TC
21. BG5555/VAL



Bergeon Wet Waterproof Tester, 10 BAR

Test the water resistance of watch cases up to 10 BAR (330 feet). Fill the chamber half full of distilled water and pressurize by pumping lever. Lower the case into the water and release the pressure. Bubbles appearing on the case indicate the location of a leak. Holds two watches. Swiss.

Stock #	Description
BG5555/10	10 Bar Wet Waterproof Tester
BG5555/10-R	Connector for Compressor

Witschi Dry Chronoproof, 2 BAR and -0.3 Vacuum

The compact ChronoProof with integrated compressor and touchscreen lets you reliably and quickly test all types of wristwatches. Vacuum is -0.3 bar and pressure is 2 bar. No programming – just insert the watch, close the test chamber and the rest takes place automatically. Maximum watch size is 70mm x 28mm. Print the test results using the integrated printer. Steel colored. 6.1" W x 8.1" D x 11.8" H.

Stock #	Description
TS-CHRONOPROOF/P	Chronoproof with Printer
TS-CHRONOPROOF	Chronoproof without Printer

Greiner Dry Leak Checker Prime Vacuum Waterproof Tester

Variable vacuum, programmed in steps from - 0.1 bar to -0.7 bar. Test from 1 – 300 seconds. During testing, the display bars show progress of deformation, rebound, vacuum and time lapsed progress. After the measurement, final results are shown. Use with TS-PRT-7810. 5 kilograms.

Stock #	Description
VIB-LEAKCHECKERPRIME	Dry Vacuum Waterproof Tester

Jules Borel & Co. Calibration Service for Watch Testing Equipment

Expert II and III	Watchmaster II
Watchmatic II & III	Chronoscope M1
Expert Red	Q Test 6000
Watchmatic	Wicometer Pro
New Tech Handy II	Analyzer Q1
Watchmaster Firmware >1.40	Analyzer Twin

Stock #	Description
TS-Calibration A	Time Based Only
TS-Calibration B	Time Based, Amplitute, Beat Air

Equipment should be time-based calibrated at least every five years. We can calibrate your equipment to an accuracy of ±.005 to ±.02 seconds per day.

Shown with six VIB-Cyclo/5190 arms

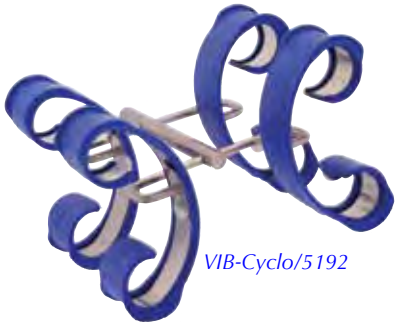
Elma CYCLOMOTION

Wind up to 12 or 24 watches at a time using 1 or 4 rpm. Use with a standard timer to turn on and off automatically for long term testing. Set right or left for reversible winding. Order arms separately in pairs. Unit weight 25 pounds.

Stock #	Description
VIB-CYCLOMOTION	Watch Winder
VIB-Cyclo/5190	Arm, Holds 2 Watches with Bands
VIB-Cyclo/5192	Arm, Holds 4 Watches with Bands
VIB-Cyclo/5361	Arm, Holds 4 Cases without Bands

VIB-Cyclo/5190

VIB-Cyclo/5361



VIB-Cyclo/5192

Elma CYCLOMOTION Pro

Same features as the Elma VIB-Cyclomotion, with added lockable protective cover that guards against dust. Unit weight 36 pounds.

Stock #	Description
VIB-CYCLOMOTIONP	Watch Winder with Cover
VIB-Cyclo/5190	Arm, Holds 2 Watches with Bands
VIB-Cyclo/5192	Arm, Holds 4 Watches with Bands
VIB-Cyclo/5361	Arm, Holds 4 Cases without Bands

BG60803E *BG6080E3* *BG6928BR* *BG6080D3*

Watch Winder Arms

Replacement arms for older Bergeon 6080 and 6081 winders.

Stock #	Description
BG6080E	Type E Steel Arms, Hold 4 Watches
BG6080E3	Type E3 Foam Arms, Hold 3 Watches
BG6928BR	Type BR Plastic, Holds 6 Cases, No Strap
BG6080D3	Type D3 Plastic, Holds 3 Cases, No Strap

BERGEON

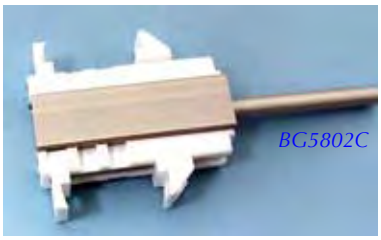
BG5802

Bergeon Final Test & Auto Test Watch Winders

Test watches with bracelets positionally and wind automatic watches. Use in a horizontal or vertical position. Gents' watches without bracelets can be attached by the spring bars. Indicates the performance of a watch to within an average of five seconds . BG5802 is recommended for the repair of high-end watches. 110-volt. Swiss.

Stock #	Description
BG5802	Final Test, Slow Rotation 1 RPM
BG5803	Auto Test, Fast Rotation 4 RPM

BG5803C



BG5802C

Stock #	Description
BG5803C	Replacement Steel Arm, Single Watch
BG5802C	Optional Two-Case Holding Arms

BG5803

Lacquered Wood Watch Winder

Owners of fine watches will love these compact, lacquered wood-cased watch winders. Padded inside with one or two holders. Four noiseless spin cycles. Runs on included AC, or optional 6 AA batteries.

Stock #	Description
WTB351.00	Single
WTB352.00	Double

WTB351.00

WTB352.00

Rivet & All-Purpose Wire

Nickel Silver Rivet Wire Assortments

These assortments have 48 pieces of rivet wire, each with eight six-inch pieces of each size. The first assortment has sizes 0.50-1.20mm diameter. The second assortment contains sizes 1.00-1.60mm diameter.

Stock #	Description
WR650A	.50 to 1.20
WR650B	.90 to 1.60

Stainless Rivet Wire

Use this soft tempered stainless steel rivet wire to make bracelet pins. Four each of seven sizes .60mm to 1.20mm. Six inches long.

Stock #	Description
WR660	Rivet Wire Assortment
WR660/83	Rivet Wire .83mm
WR660/99	Rivet Wire .99mm
WR660/120	Rivet Wire 1.20mm

All-Purpose Steel Wire Assortment

Six-inch lengths of steel wire in assorted sizes from 70 to 20 by drill gauge. 0.71-4.0mm.

Stock #	Description
WR610	Steel

Nickel Silver Rivet Wire

Six-inch long pieces of rivet wire, six pieces per package.

Stock #	mm	Inch	Drill Size
WR650/50	.50	.020	76
WR650/60	.60	.025	73
WR650/80	.80	.032	67
WR650/90	.90	.036	64
WR650/100	1.00	.040	60
WR650/120	1.20	.047	56
WR650/140	1.40	.055	54
WR650/150	1.50	.059	53
WR650/160	1.60	.064	52

Stainless Rivet Wire

Use this stainless steel rivet wire to make bracelet pins. Six each of ten sizes .70, .80, .90, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60mm. Each 30mm long in a labeled partitioned box.

Stock #	Description
M124B	60-piece Assortment

Assorted Steel Wires

Six-inch lengths of steel wire in assorted sizes from 70 to 20 by drill gauge. 0.71 to 4.0mm. About 36 pieces.

Stock #	Description
WR43.700	Steel

Nickel Silver All-Purpose Wire Assortment

Six-inch lengths of nickel silver wire in assorted sizes from 20 to 70 by drill gauge. 0.71-4.0mm.

Stock #	Description
WR609	Nickel Silver

Brass Rivet Wire

Use 6-inch lengths of brass rivet wire to make pins, rivets, and hinges. One ounce package of B & S gauges 14-21. About 24 pieces.

Stock #	Description
WR604	Rivet Wire Assortment

Assorted Brass Wire

Six-inch lengths of brass wire in assorted sizes from 20 to 70 by drill gauge. 0.71-4.0mm. About 36 pieces.

Stock #	Description
WR608	Brass Wire Assortment

Case Joint Assortment

One hundred assorted pieces. Swiss.

Stock #	Description
BG10006	Brass
BG10007	Nickel

Peerless Round Steel Spring Wire

Use to make watch parts, loupe springs and other items requiring spring steel. Tempered and ready for use. Comes in 36" coils, in B & S gauge sizes as noted.

Stock #	B & S Gauge	mm
WR43.715	15	1.45
WR43.716	16	1.29
WR43.717	17	1.15
WR43.718	18	1.02
WR43.719	19	.912
WR43.720	20	.812
WR43.721	21	.723
WR43.722	22	.644
WR43.723	23	.573
WR43.724	24	.511
WR43.725	25	.455
WR43.726	26	.405
WR43.727	27	.360
WR43.728	28	.321
WR43.729	29	.286
WR43.730	30	.255
WR43.731	31	.201

Copper Binding Wire

Use for plating and holding wire on to bind parts. Four-ounce spools.

Stock #	Gauge	Roll Length
WR43.560	16	32′
WR43.561	18	51′
WR43.562	20	80′

Flat Spring Wire

Versatile all-purpose replacement wire in assorted gauges of flat tempered wire is suitable for making click, setting and other springs.

Stock #	Description
BG10021	Flat Spring Wire

Iron Binding Wire

Used to hold parts to be soldered or cemented. Also can string items to be plated. 8oz. spools.

Stock #	mm
WR614	.457
WR616	.406
WR620	.355
WR622	.279
WR624	.254
WR628	.203
WR632	.165

Brass Spring Wire

Brass wire on one-ounce spools.

Stock #	Gauge
WR722	22
WR724	24
WR726	26

Borel Staff & Pivot Wire

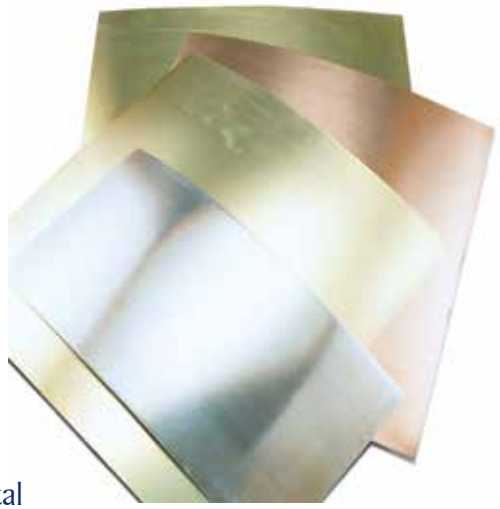
Blue tempered steel, 3" long, assorted sizes per pack.

Stock #	Description
WR602	.40 to 2.05mm
WR602A	.55 to 1.9mm
WR602B	2.0 to 3.9mm
WR602C	3.0 to 5.0mm

Bergeon Staff and Pivot Plug Steel Wire

Stock #	Description
BG10104	25 Assorted Sizes, Swiss

*This tool catalog is for reference only. Check prices and order online by selecting **Products** or **Log In** at jules-borel.com. It includes some items NOT in our online ordering system.*



Flat Sheet Metal

Nickel silver is made in a 6" x 12" sheet. All other metals are supplied in 12" x 12" sheets. Dixgold is an alloy which has the appearance of gold but does not contain any precious metals.

Stock #	Metal	Size	Gauge	Thickness
846-52	Brass	12″ x 12″	16	1.30mm
846-53	Brass	12″ x 12″	18	1.00mm
846-54	Brass	12″ x 12″	20	0.80mm
846-55	Brass	12″ x 12″	22	0.65mm
84M-52	Copper	12″ x 12″	16	1.30mm
84M-53	Copper	12″ x 12″	18	1.00mm
84M-54	Copper	12″ x 12″	20	0.80mm
84M-55	Copper	12″ x 12″	22	0.65mm
84M-56	Copper	12″ x 12″	24	0.50mm
84M-57	Copper	12″ x 12″	26	0.40mm
845-52	Nickle Silver	6″ x 12″	16	1.30mm
845-53	Nickle Silver	6″ x 12″	18	1.00mm
845-54	Nickle Silver	6″ x 12″	20	0.80mm
84G-53	Dixgold	12″ x 12″	18	1.00mm
84G-54	Dixgold	12″ x 12″	20	0.80mm

Hole Punch Pliers

Punch 1.8mm holes in sheet metal up to 18 gauge. Thick carbon steel, ergonomic handles, replaceable pins.

Stock #	Description
PL133.50	Hole Punch Pliers
PL133.51	Five Pins

Two-Hole Metal Punch

This punch makes two different hole sizes, 1/16" and 3/32". Made of tool steel, each punch is tempered for making precision holes in soft metal up to 24 gauge, or in plastic and other materials. The screw action makes holes without deforming the metal.

Stock #	Description
PN400.00	Metal Punch

Wild-Cat Table Shear

Table shear with welded steel construction is designed for high rigidity and performs all basic shearing operations. The blades are hardened and precision ground for cutting sheet metals. Features adjustable rule guide with safety guard and fully adjustable back stopper.

Stock #	Cut	Table	Rule	Stroke	Cap/Ga.
SH153-380	12″	6″x12″	12″	5/8″	16
SH153-385	12″	6″x12″	12″	5/8″	14

Length Conversions

To convert from	to	Multiply by
Inches	Meters	.0254
Millimeters	Inches	.03937
Feet	Meters	.3048
Meters	Feet	3.2808
Inches	Millimeters	25.4
Meters	Inches	39.37

Weight or Mass Conversions

To convert from	to	Multiply by
Avoir. oz	Troy oz.	.9115
Avoir. oz.	Grams	28.3495
Avoir. oz.	Pennywts.	18.2291
Avoir. lbs.	Troy oz.	14.5833
Carats	Grains	3.0865
Carats	Pennywts.	.12860
Carats	Grams	.2
Pennywts.	Carats	7.776
Pennywts.	Grams	1.5552
Pennywts.	Troy oz.	.05
Pennywts.	Avoir. oz.	.05486
Grams	Carats	5.0
Grams	Pennywts.	.64301
Grams	Troy oz.	.03215
Grams	Avoir. oz.	.03527
Grains	Carats	.324
Grains	Grams	.0648
Grains	Troy oz.	.03215
Kilograms	Avoir. lbs.	2.2046
Kilograms	Troy oz.	32.1507
Kilograms	Pennywts.	643.014
Troy oz.	Avoir. oz.	1.0971
Troy oz.	Grams	31.1035
Troy oz.	Pennywts.	20.0

Volume Conversions

To convert from	to	Multiply by
Cubic cm.	Cubic inches	.061
Cubic cm.	Fluid oz.	.0338
Cubic in.	Cubic cm.	16.387
Cubic in.	Fluid oz.	.554
Fluid oz.	Cubic cm.	29.5737
Fluid oz.	Cubic inches	1.80469
Fluid oz.	Quart	.03125
Gallon	Liter	3.7854
Liter	Quart	1.057
Milliliter, ml	Fluid oz.	.0338
Milliliter, ml	Cubic cm.	1.0
Quart	Fluid oz.	32.0
Quart	Liter	.9464

B & S Wire Gauge Sizes

Gauge	Inches	MM
1	.2893	7.346
2	.2576	6.543
3	.2294	5.829
4	.2043	5.189
5	.1819	4.618
6	.1620	4.111
7	.1443	3.670
8	.1285	3.264
9	.1144	2.906
10	.1019	2.588
11	.0907	2.304
12	.0808	2.052
13	.0720	1.829
14	.0641	1.629
15	.0571	1.450
16	.0508	1.290
17	.0453	1.151
18	.0403	1.092
19	.0359	0.912
20	.0320	0.813
21	.0285	0.724
22	.0253	0.643
23	.0226	0.574
24	.0201	0.511
25	.0179	0.455
26	.0159	0.404
27	.0142	0.361
28	.0126	0.321
29	.0113	0.286
30	.0100	0.255

Fractional Inches to Millimeters

Fractions	Dec. Inches	mm
1/64	.0156	0.3969
1/32	.0313	0.7937
3/64	.0469	1.1906
1/16	.0625	1.5875
5/64	.0781	1.9843
3/32	.0937	2.3812
7/64	.1094	2.7781
1/8	.1250	3.1750
9/64	.1406	3.5718
5/32	.1562	3.9687
3/16	.1875	4.7624
7/32	.2187	5.5562
1/4	.2500	6.3499
9/32	.2812	7.1437
5/16	.3125	7.9374
3/8	.3750	9.5250
11/32	.3438	8.7312
13/32	.4062	10.3186
7/16	.4375	11.1124
15/32	.4687	11.9061
1/2	.5000	12.6999

Drill Sizes

Drill #	Inches	MM
80	.0135	.3429
79	.0145	.3683
78	.0160	.4064
77	.0180	.4572
76	.0200	.5080
75	.0210	.5334
74	.0225	.5715
73	.0240	.6096
72	.0250	.3650
71	.0260	.6604
70	.0280	.7112
69	.0292	.7417
68	.0310	.7874
67	.0320	.8128
66	.0330	.8382
65	.0350	.8890
64	.0360	.9144
63	.0370	.9398
62	.0380	.9652
61	.0390	.9906
60	.0400	1.0160
59	.0410	1.0414
58	.0420	1.0668
57	.0430	1.0922
56	.0465	1.1811
55	.0520	1.3208
54	.0550	1.3970
53	.0595	1.5113
52	.0635	1.6129
51	.0670	1.7018
50	.0700	1.7780
49	.0730	1.8542
48	.0760	1.9304
47	.0785	1.9939
46	.0810	2.0574
45	.0820	2.0828
44	.0860	2.1844
43	.0890	2.2606
42	.0935	2.3749
41	.0960	2.4384
40	.0980	2.4892

Karat Gold Fineness

Karat		Fineness
10	=	.4167
12	=	.5000
14	=	.5833
16	=	.6667
18	=	.7500
19	=	.7917
20	=	.8333
22	=	.9167
24	=	1.0000

Temperature Conversions

From Celsius to Fahrenheit
°C x 1.8 + 32
= °F

From Fahrenheit to Celsius
°F - 32 x .555
= °C

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Major Equipment Flyer

This is THE resource for watchmakers who need to purchase or upgrade major equipment such as watch testers and cleaners, work benches, vacuum set-ups and more. It includes the best of the industry plus a few innovations of our own. With lots of information in 28 pages, you will want a copy of CAT-TM.

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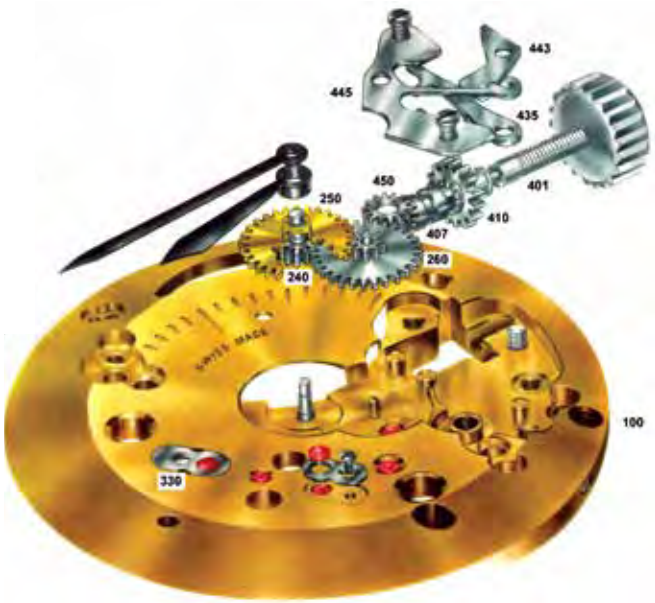
17-Jewel Mechanical Movement, Jeweled-lever, Non-sweep

Drive Train Parts

With Swiss Part Numbers

100	Plate
105	Barrel bridge
110	Train wheel bridge
122	Balance cock
125	Pallet cock
185	Barrel drum
190	Barrel cover
195	Barrel arbor
201	Center wheel & Pinion
210	Third Wheel & Pinion
224	Fourth wheel and pinion
302	Regulator
311	Upper cap with jewel
401	Winding stem
415	Ratchet wheel
420	Crown wheel
425	Click
703	Escape wheel
710	Pallet fork, Jeweled
721	Balance complete
723	Balance staff
730	Roller
735/1	Hairspring, Breguet
770	Mainspring



Setting/Winding Parts

With Swiss Part Numbers

100	Plate
240	Cannon Pinion
250	Hour wheel
260	Minute wheel
330	Lower cap jewel
401	Winding stem
407	Clutch wheel
410	Winding pinion
435	Clutch lever
443	Set lever (detent)
445	Set bridge
450	Setting wheel