



2019-2021 Catalog #44

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2019-2021 Timesavers Catalog #44

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Welcome To Timesavers Catalog #44

Catalog #44 is our most comprehensive to date and is now online. Order 24/7 with complete confidence and safety on our secure website: www.timesavers.com. Or contact us by email:

info@timesavers.com

If you require additional assistance, please call us at **480-483-3711**. Although we don't always have the answers, we'll do our best to steer you in the right direction.

Timesavers is home to:

- **The Golden Hour Clock Company** known worldwide for the Golden Hour Mystery Clock. We stock a large selection of replacement parts. **See Page #48.**
- **Timesavers** has purchased the remaining inventory of a defunct material house. Many of the items are available at reduced pricing listed throughout this catalog.

Please take a few moments to view our large inventory of parts, many of which aren't available anywhere else. We thank each and every one of you for your business.

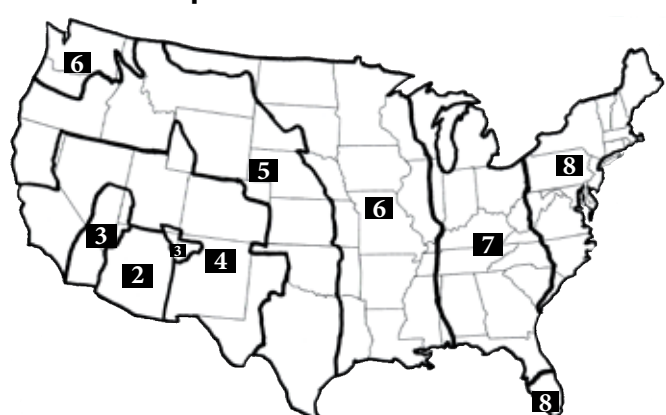
Your Friends at Timesavers

UPS Day-Certain Delivery Days From Arizona



Number of delivery days from the date of shipment to your location. Calculate working days only. Do not include Saturdays, Sundays or Holidays.

UPS Zone Map To Determine Rates From Arizona



Shipping Choices

Shipping charges have increased significantly in the past few years. We ship your package according to your instruction. If no instruction is given, we ship via the least expensive method. At the time of publication, the choices available to you are:

U.S. Postal Service:

Website for current pricing and options: <http://www.usps.com>

Domestic Postal Services:

- **1st Class Mail** 1 oz. to 13 ozs. 1-3 days
(Not Guaranteed-Insurance extra)
- **Priority Mail** Over 13 ozs. 1-3 days
(Not Guaranteed-Insurance extra)
- **Media Mail** 1 oz. and over 2-8 days
(Not Guaranteed-For printed matter: books, catalogs, etc.-Insurance extra)
- **Express Mail** 1 oz. and Over
(Guaranteed-Includes \$100 Insurance)

Domestic Priority Mail Flat Rate Boxes

(Rates in effect at time of publication, subject to change by USPS) We've found these boxes a cost-effective option for small parts. One rate applies to as much as we can fit in the boxes below, up to 70 lbs. (insurance is extra) to anywhere in the USA:

- Small Box (8-5/8" x 5-3/8" x 1-5/8") @ **\$7.90 shipment**
- Medium Boxes (11" x 8-1/2" x 5-1/2") or (13-5/8" x 11-7/8" x 3-3/8") @ **\$14.35 shipment**
- Large Box (12" x 12" x 5-1/2") @ **\$19.95 shipment**

NOTE: May not be suitable for delicate parts or very heavy weights.

International Postal Services:

- **First Class and Priority Mail International:** Shipments less than 4 lbs ship via First Class or Priority Mail. Shipments 4 lbs to 70 lbs are automatically shipped via Priority Mail. Pricing varies base on weight and destination. Typically 6-10 days delivery, not guaranteed. Flat rate box and envelope shipping available.
- **Express Mail International** 1 oz. to 70 lbs. **Guaranteed** service. Flat rate box and envelope shipping available. Typically 3-5 day delivery.

UPS Services:

UPS (United Parcel Service - Includes Insurance Up To \$100):

Note: Website for current published rates: www.ups.com

- **Regular UPS Ground** is a 1-5 Working Day Service.
- **3 Day UPS Select** is a 3 Working Day Guaranteed Service.
- **2 Day UPS Blue Label** is a 2 Working Day Guaranteed Service.
- **1 Day UPS Red Label** is a 1 Working Day Guaranteed Service.

Note: Additional services (AM delivery, Saturday delivery, oversized packages, hazardous material shipping, etc.) are available at additional charge billed at published rates. See map for zones to calculate shipping time from Arizona to your location.

To Our Valued Customers

Timesavers strives to be your #1 supplier. In our continuing effort to earn your business:

1. We've added hundreds of new, hard-to-find products to help you save time and money. Look for this symbol: **NEW**
2. If you're in a hurry, we encourage you to use **UPS or USPS 1-Day, 2-Day or 3-Day** service. See **Page 3**.
3. You can place your order on our secure website: **www.timesavers.com**.

Business Hours

- We are open 8AM through 4PM, Monday through Friday, Mountain Standard Time. Arizona does not observe Daylight Savings Time. Counter sales are welcome from 8AM to 3PM.

Guarantee

- All material is unconditionally guaranteed for 1 year unless otherwise specified.
- You must be 100% satisfied or your money will be refunded.

How To Order

- To ensure speed and accuracy, please use our part numbers.
- When mailing or e-mailing, include your account number, name, street address (for **UPS** delivery) and phone.
- When calling our toll-free order line, please have your order written out in advance and provide your account number.
- Arizona residents please add **8.05%** State Sales Tax or provide your current resale number.

Shipping Information

- Domestic orders are shipped via **UPS** or **USPS** unless customer specifies otherwise. The chart on **Page 3** gives approximate **UPS** delivery times from Arizona.
- Orders of any size are welcome. Orders **less than \$20.00** in value will have a **\$3.50** handling charge added in addition to applicable shipping and insurance charges.
- Shipping and insurance charges are added to your invoice.
- International customers: Allow a minimum of **25%** for shipping. **Actual shipping charges are determined by weight and size. A \$3.00 document and processing fee is added to every international shipment.**
- Overpayments are refunded, underpayments will be billed.
- Orders are shipped F.O.B. Scottsdale, AZ, except for drop shipments.
- **UPS Next Day Red Label** and **Second Day Blue Label** are available on all domestic shipments at additional charge.

Payment Information

- Visa, MasterCard, Discover and personal checks are welcome. If ordering for the first time, payment can be made by check, money order or credit card only. Sorry, no C.O.D.'s.
- Open accounts are available to firms and hobbyists with a good credit rating. Please request a credit application.
- All payments must be made in U.S. funds.
- N.S.F. checks will necessitate a **\$35.00** service charge.

Stock Checks

- We're happy to verify stock on any item at the time you place an order. Please request this service in order to avoid delays or disappointments.

Backorders

- We may occasionally be out of stock on items you've ordered. Backordered items less than **\$5.00** in value will be canceled and must be re-ordered unless instructed otherwise. Items **\$5.00** or more in value will be placed on back-order. If these items return to stock within 45 days, they will ship to you automatically. However shipping charges will be added to the backorder invoice. If we do not receive the item after 45 days, your backorder will be canceled.
- We cannot provide our backorder service to international customers unless authorized to do so. Customer will incur additional shipping charges.

Returns

- Returns must be made within 10 days of receipt.
- Special ordered items are not returnable.
- Items cannot be accepted for return without a copy of the invoice or invoice number. **You must include a short note to let us know the reason for the return.** Tell us if you'd like a credit, refund or exchange. Return carefully packaged to:

Timesavers

7745 East Redfield Road, Suite #500

Scottsdale, Arizona 85260-3456 U.S.A.

- Returned items must be in new condition and will not be accepted for return if used or altered in any way.
- There's a **\$3.00** restocking charge for returning a part incorrectly ordered.

Claims and Exchanges

- Claims for shortages or damage must be made to us within 5 days of delivery.
- Exchanges, credits or refunds will not be made until items are received back to Timesavers.

Pricing

- Prices in this catalog are in effect **06/01/19**.
- **Prices, specifications and descriptions are subject to change without notice. All orders are invoiced at prevailing prices.**
- **For current pricing or availability please call us at 480-483-3711.**
- We are not responsible for typographical errors or omissions.
- We are not responsible for incidental damages or injuries caused by the use of products or information contained in this catalog.

Important Notice

- **An item listed for use on a particular product does not indicate it was made by that manufacturer and may be made by another party for use on or with their products.**

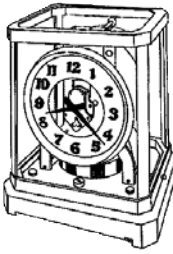


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Clock Parts: Generic Atmos Material & Tools

Generic Suspension Spring Material For Atmos & Reutter Clocks

*Field
Tested
For
Accuracy*



Replacement temperature compensating suspension spring is 9" long. Install your own fittings to complete. Timing adjustments may be required because of pendulum mass variations during production.

No. 22696 Atmos **\$18.50 each**
No. 23752 Reutter **\$19.00 each**

Generic Mass Timing Weights For Atmos Clocks



Size x Thickness

For Model 519:

No. 14249 Small x 0.45mm **\$8.25 each**
No. 14250 Small x 0.90mm **\$8.50 each**
No. 14253 Large x 0.45mm **\$8.75 each**
No. 14254 Large x 0.90mm **\$9.00 each**
No. 14255 Large x 1.75mm **\$9.25 each**
No. 14256 Large x 2.50mm **\$9.50 each**

For Model 528:

No. 14251 Small x 1.75mm **\$8.75 each**
No. 14252 Small x 2.50mm **\$9.00 each**

Generic Stud Weights For Atmos Clocks



Diameter x Thickness

No. 14257 11mm x 6.5mm **\$5.00 each**
No. 14258 11mm x 7.0mm **\$5.25 each**
No. 14259 11mm x 8.0mm **\$5.50 each**
No. 14260 13mm x 6.5mm **\$6.00 each**
No. 14261 13mm x 7.0mm **\$6.25 each**
No. 14262 13mm x 8.0mm **\$6.50 each**

Generic Weight Screw For Atmos Clocks



No. 14263 M3 x 15mm **\$7.00 each**

Generic Case Screw For Atmos 528



Gold plated screw fits on the top four corners of the Atmos 528 case.

No. 32155 **\$7.00 each**

Generic Chain For Atmos Clocks



Bright gold filled 3" chain (Atmos #3491).

No. 22880 **\$7.50 each**

Generic Replacement Front Glass For Atmos



1/8" thick.

528 Caliber

No. 23568 6-7/16" x 7-1/8" **\$14.50**

540 Caliber

No. 32589 6-1/8" x 7-9/16" **\$14.50**

Generic Front Door Knob For Atmos Clocks



Fits Atmos 528 and 540 caliber doors.

.156" Notch

No. 23491 For original glass **\$26.00**

.125" Notch

No. 23411 . For aftermarket glass **\$26.00**

Generic Repair Tool Kit For Atmos Clocks



Kit contains:

- Tube to insert suspension wire
- Hook to insert chain
- Hand puller
- 8mm wrench for bellows nut
- Tool for slotted balance nut
- Movement holder
- Balance support blocks
- Poising tool
- Regulator resetting tool
- Tool for clamping balance tube
- Punch for 3rd wheel
- Punch for minute wheel
- Atmos repair tips

Tools are contained in a plastic storage box.

No. 23781 **\$207.50 kit**

Generic Hand Puller For Atmos Clocks



No. 23919 (Tool #IV) **\$30.00 each**

Generic Movement Holder For Atmos Clocks



Does not fit the
#540 movement

No. 23920 (Tool #VII) **\$30.00 each**

Generic Poising Tool For Atmos Clocks



No. 23921 (Tool #IX) **\$30.00 each**

Clock Parts: Balances, Escapements & Related

Balances-Hermle



No. 10750



No. 10751

Replaces old style balances. Inspected prior to shipment and not returnable. Fits many Hermle movements.

No. 10750 . For #140, 150, 340, 350, 1050 **\$65.00**

No. 10751 For #130 **\$65.00**

Floating Balance Wire

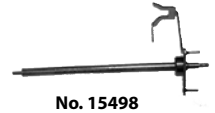
25 assorted stainless steel wires. From .008" through .025".

No. 11220 **\$6.50 pack**

Forks-Hermle



No. 15497



No. 15498

For Hermle balance movements.

No. 15497 #132-041 **\$9.75**

No. 15498 . #140, 150, 340, 1050 **\$8.00**

Hettich Battery Clock Forks- Closeout



Brass. Used on electric torsion clocks. 11.0mm from center of 2.0mm mounting hole to end. 14.0mm overall length. **Was \$8.00.**

No. 33718 **\$3.00 each**



Brass. Used on electric torsion clocks. 16.0mm from center of 1.3mm mounting hole to end. 19.0mm overall length. **Was \$8.00.**

No. 33721 **\$3.00 each**

Mercedes (Kiefer) Pallet-Closeout



For 8-day German movements. 17.8mm wide pallet with 16.7mm long arbor. **Was \$7.50.**

No. 01589 **\$3.00 each**

Urgos Floating Balance Escapement- Closeout



No. 33078 **\$47.50 each**

Urgos Fork & Bridge- Closeout



#UW-06/37 for #CE104 (#017026). **Was \$13.50 and \$5.00.**

No. 00620 Fork and Bridge **\$6.00 each**

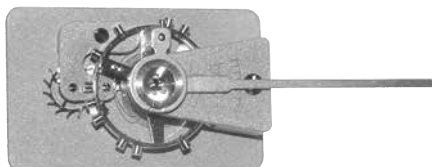
No. 00621 Bridge **\$2.00 each**

Clock Parts: Balances, Escapements & Related

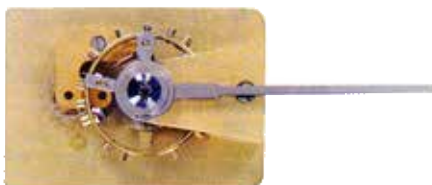
Swiss Platform Escapements



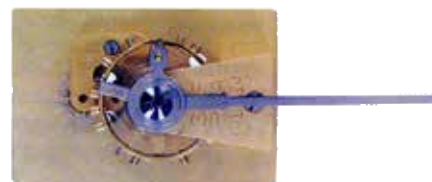
Typical Side View



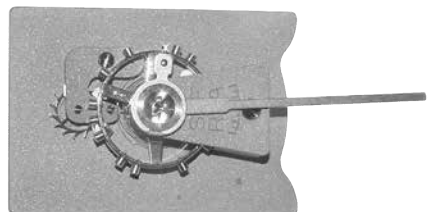
No. 23174



No. 29422



No. 29423



No. 23176

Swiss made. 11 jewels, temperature compensating balance spring, steel escape wheel, 18,000 beats per hour, 8 leaf pinion and clockwise rotation. Inspected and not returnable.

No. 23174 23mm x 36mm **\$180.00**
No. 29422 25mm x 36mm **\$180.00**
No. 29423 25mm x 38mm **\$180.00**
No. 23176 30mm x 41mm **\$180.00**

Balance Staff Replacements



Used on the above Swiss escapements.

No. 24707 For 18 x 28mm **\$20.00 each**
No. 24708 For 23 x 36mm, 25 x 36mm, 25 x 38mm and 30 x 41mm **\$14.00 each**

Clock Escapement



Used on mantel clocks. Inspected and not returnable. 21mm x 36.3mm. China.

No. 32836 **\$39.50 each**
6

Platform Escapement-Hermle



Fits Hermle 132-071, Seth Thomas A207-000 ships bell and other movements. 11 jewels. 34mm x 21mm. Inspected and not returnable.
No. 32776 **\$140.00 each**

Kieninger Escapement-5 Jewels



5 jewels with a plastic cover. 31.8mm x 21mm. Inspected and not returnable.

No. 29561 **\$119.50 each**

Platform Escapements-Swiss-Closeout

Brand new/old stock. 11 jewels, temperature compensating balance spring, steel escape wheel, 18,000 beats per hour, 8 leaf pinion and clockwise rotation. **Was \$175.00.**

8 Leaf Pinion



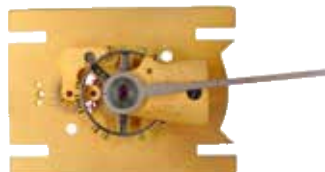
No. 33126 18mm x 28mm **\$125.00**



No. 33127 18mm x 35mm **\$125.00**

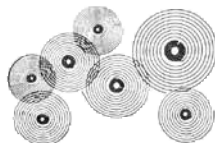


No. 33128 20mm x 31.6mm Long Pinion **\$125.00**



No. 33131 34mm x 45.6mm **\$125.00**

Balance Spring Assortment



72 pieces with collets for small clocks. India.
No. 15490 **\$19.50 pack**

Platform Escapement Mounting Screws-Steel



	Thread Diameter	Overall Length	
No. 23104	1.0mm x	7mm	\$2.50
No. 29749	1.2mm x	6.5mm	\$2.50
No. 23105	1.2mm x	8mm	\$2.50
No. 23106	1.4mm x	10mm	\$2.50
No. 23108	1.8mm x	12mm	\$2.50

Pallet Jewels-Synthetic



Ruby colored jewels for outside escapement clocks. All are 6mm (.0236") long and vary slightly in diameter. Sold individually.

No. 10585 ... #42 2.35-2.37mm .0922-.0934"
No. 10586 ... #43 2.22-2.25mm .0874-.0886"
No. 10587 ... #44 2.16-2.18mm .0850-.0858"
No. 10588 ... #45 2.05-2.08mm .0807-.0819"
No. 10589 ... #46 2.00-2.06mm .0787-.0811"
No. 10590 ... #47 1.95-1.99mm .0768-.0783"
No. 10591 ... #48 1.90-1.93mm .0748-.0760"
No. 10592 ... #49 1.83-1.85mm .0720-.0728"
No. 10593 ... #50 1.75-1.78mm .0689-.0701"
No. 10594 ... #51 1.67-1.70mm .0657-.0669"
No. 10595 ... #52 1.60-1.63mm .0630-.0642"
No. 10596 ... #53 1.47-1.51mm .0579-.0594"

\$12.00 each

Swinging Arm Jewel Bar For Junghans Clocks



Brass with jeweled inserts 1.365" (34.7mm) long. The distance between jewel centers is .720" (18.3mm). M2.5 thread.

No. 10817 **\$20.00 each**

Clock Parts: Beat Scales

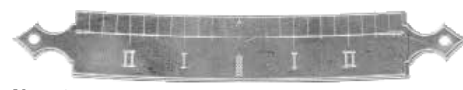
Beat Scales-Brass



No. 12274



No. 12275



No. 19574



No. 13583 7-1/2" wide. Complete with standoffs.



No. 12367



No. 29391

No. 12274 3-3/4" S. Thomas **\$4.00**
No. 12275 3-3/8" S. Thomas **\$4.00**
No. 19574 4-1/2" S. Thomas **\$4.00**
No. 13583 7-1/2" S. Thomas **\$20.00**
No. 12367 3" Vienna **\$4.00**
No. 29391 3" Waterbury **\$4.00**

Beat Scale-Aluminum



White with black details. 1" tall x 2-15/16" wide.
No. 19931 **\$5.00 each**

Clock Parts: Beat Scales

Beat Scale-Porcelain



Black on white. 2-3/4" wide x 1" high.

No. 10566 \$20.00 each

Cast Beat Scale-Ansonia



For Ansonia Baghdad, Prompt, Capitol and others. 5-3/8" wide x 2-1/8" tall. Unfinished.

No. 18370 \$8.00 each

Cast Beat Scale-New Haven



5-1/16" wide x 2" tall. Unfinished.

No. 19565 \$8.00 each

Cast Beat Scale-Waterbury



Plated cast brass. 5-7/8" long x 2-1/8" tall.

No. 18371 \$19.00 each

Cast Beat Scale-Welch

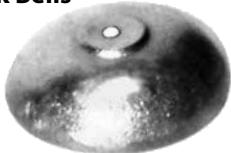


Plated cast brass. 4-5/8" wide. E. N. Welch Mfg.

No. 18911 \$19.00 each

Clock Parts: Bells, Hammers & Related

Brass Clock Bells



No. 11510	1" Dia.	\$5.75 each
No. 11511	1-1/4" Dia.	\$6.00 each
No. 10625	1-1/2" Dia.	\$6.25 each
No. 10626	1-3/4" Dia.	\$6.50 each
No. 10627	2" Dia.	\$7.25 each
No. 10628	2-1/4" Dia.	\$8.25 each
No. 10629	2-1/2" Dia.	\$11.50 each
No. 10631	3" Dia.	\$13.50 each
No. 11256	3-1/2" Dia.	\$19.50 each
No. 11257	4" Dia.	\$25.25 each
No. 11258	4-1/2" Dia.	\$30.00 each
No. 11259	5" Dia.	\$33.50 each
No. 11260	5-3/4" Dia.	\$36.50 each

Cast Iron Bells



No. 18305	3-3/4" Dia.	\$10.50 each
No. 18306	4" Dia.	\$12.50 each
No. 18307	4-1/2" Dia.	\$14.50 each

Bell-Polished



Highly polished brass bell. India.

No. 32440 ... 3-3/4" Brass **\$12.00 each**

Grandfather Bell Stand



5-1/4" long cast grandfather bell stand. Used on tall case movements.

No. 12169 \$12.50 each

French Bell Stand-Brass



No. 12165



No. 11654

With mounting nut. 2" long. Bend to fit.

No. 12165 \$4.50 each

French Bell Stand Nut

Fits French bell stands with #4-40 thread.

No. 11654 \$1.50 each

Bell Hammer



Brass hammer, steel rod. 5-3/16" long. India.

No. 11521 \$2.00 each

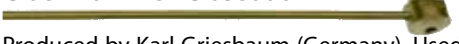
Grandfather Hammer Return Spring



Steel spring is 4-3/4" long.

No. 10638 \$16.00 each

Clock Hammer-Closeout



Produced by Karl Griesbaum (Germany). Used on French clocks. Beautifully machined. 3-1/4". No hammer tip. Was \$6.50.

No. 01259 \$2.00 each

Jauch Strike Hammer-Closeout



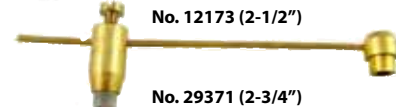
Brass. Used on M39A-40. 3-1/4" arm. 1-11/16" mounting pin. Was \$12.00.

No. 01381 \$4.00 each

Clock Hammers



No. 12173 (2-1/2")



No. 29371 (2-3/4")

Can be bent or cut to fit. India.

No. 12173 Bell **\$3.50 each**

No. 29371 Nylon Tip **\$3.50 each**

Grandfather Bell Hammer



4-1/4" long.

No. 10639 \$18.50 each

Strike Hammer Assemblies



Arbor with actuating lever and hammer arm with brass hammer. Fitting may be necessary.

35.0mm Distance Between Plates

No. 11522 Ansonia **\$6.00 each**

39.0mm Distance Between Plates

No. 11523 Seth Thomas **\$6.00 each**

Strike Hammer-Jauch-Closeout



For Jauch M39A-40. 3-1/4" arms. 1-11/16" mounting pin. Brass. Was \$12.00.

No. 01612 \$4.00 each

Hammer Adjusting Tool



Slotted for precise hammer adjustment on Hermle and other movements.

No. 20866 \$14.50 each

Hammer Tips



No. 20807

No. 12176

No. 12177



No. 23592

No. 24702

Leather Tips

No. 20807 Round 1/4" Mantel

No. 12177 Round 5/16" Standard

No. 12176 Round 3/8" Grandfather

\$1.50 each \$15.00/12 (\$1.25)

Solid Brass Tips

No. 23592 Flat 1/2"

No. 24702 Round 15/64"

\$1.50 each \$15.00/12 (\$1.25)

Brass Hammer Tips



8.5mm OD. Dimensions shown are lengths of the brass body only x width across the flats.

No. 24648 Leather Tip #34 9.8mm L x 6.0mm W

No. 24649 Leather Tip #35 10.8mm L x 6.9mm W

No. 24650 Leather Tip #38 14.8mm L x 6.9mm W

No. 24651 Leather Tip #39 19.2mm L x 6.9mm W

No. 24653 .. Plastic Tip #41 11.7mm L x 5.0mm W

No. 24654 .. Plastic Tip #42 12.0mm L x 5.0mm W

No. 24655 .. Plastic Tip #43 13.4mm L x 6.0mm W

No. 24652 .. Plastic Tip #37A 14.8mm L x 6.0mm W

No. 24656 .. Plastic Tip #44 14.8mm L x 6.9mm W

No. 24657 .. Plastic Tip #45 19.2mm L x 6.9mm W

\$1.50 each \$15.00/12 (\$1.25)

Hammer Tip Assortment

10-piece assortment, one each of the above brass hammers, 6 plastic and 4 leather tipped.

No. 29002 \$12.00 pack

Clock Parts: Bells, Hammers & Related

Plastic Hammer Tip Inserts



Fits Hermle hammer tips and others.

No. 29184 6 pack **\$2.00 pack**

Leather Hammer Tip Material



12" long.

No. 33671 2mm Dia. (.079") **\$2.50**

No. 32800 3mm Dia. (.118") **\$2.50**

No. 19442 4mm Dia. (.157") **\$2.50**

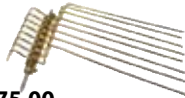
No. 31052 5mm Dia. (.197") **\$2.50**

Leather Hammer Tip Material Assortment

One each of above 4 sizes.

No. 32483 **\$8.00 pack**

Urgos UW-03 Chime Hammer Assembly-Closeout



Brass. Germany. Was \$75.00.

No. 00636 **\$25.00 each**

Hammer Return Springs



No. 16914

No. 19657

No. 16913

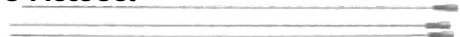
Measurements are end to end. For Hermle and other movements.

No. 16914 7/16" Long **50¢ each**

No. 19657 1/2" Long **50¢ each**

No. 16913 5/8" Long **50¢ each**

French Hammer Return Springs- 3-Piece Set



Used on the striking train of French clocks and others. Long enough for the largest movements. Easily shortened. 1.6mm thread diameter x 85.0mm long.

No. 29951 **\$15.00 set**

Kieninger Springs



Hammer spring for KSU movements.

No. 22954 31/32" long **75¢ each**



Rack spring for KSU movements.

No. 22957 **\$1.50 each**

Strike Return Leaf Spring-Kieninger



Leaf spring for KSU movements.

No. 22964 **\$1.00 each**

Kieninger Chime Selector Switch



Plastic switch for KSU movements.

No. 22960 1-13/16" long **\$8.00 each**
8

Locking Disc



Fits Hermle movements.

No. 19292 .#471/#1171 Movements **\$8.00**

Clock Parts: Bezels, Dial Pans & Related

Ansonia Dial Trim Ring- Brass



2-9/16" OD x 13/32" deep. For outside escape-
ment Ansonia clocks. Separates outer and in-
ner porcelain ring. Slot is cut for the verge.

No. 19993 **\$10.00 each**

Barometer Bezels & Liners- Closeout



Polished brass. With 4 mounting holes in rim.
3/8" height. Liner fits inside bezel increasing
height to 5/8". Can use on clocks as well.
Regularly \$25.00 to \$28.00.

5-5/8" OD x 5" inside edge diameter.

No. 00688 **\$8.00 each**

7" OD x 6" inside edge diameter.

No. 00726 **\$9.00 each**

English Style Bezel & Liner



12-5/8" O D. Brass. Removable liner. Hinge and
tab are assembled in place. Glass not included.

No. 29424 **\$37.50 each**

Brass Retaining Ring-#2 Regulator



One piece. Holds glass in place. 12-5/8" O.D.

No. 13241 **\$32.50 each**

Bezel-American Old Style



Brass plated. Thin American style. Dimension
listed is outside diameter. India.

No. 16973 5-5/8" **\$13.75 each**

Bezels



Brass finished steel with hinge and latch
riveted in place. China.

No. 32593 170mm (6-11/16" approx.) **\$13.00**

No. 32596 220mm (8-11/16" approx.) **\$22.00**

Bezels



Brass finished aluminum. No hinge or latch.

No. 32988 135mm (5-5/16" approx.) **\$10.50**

Brass finished steel. No hinge or latch.

No. 33161 160mm (6-5/16" approx.) **\$11.50**

No. 33162 170mm (6-5/8" approx.) **\$12.50**

No. 33164 200mm (7-13/16" approx.) **\$17.50**

No. 32989 220mm (8-11/16" approx.) **\$21.50**

Brass German Box Clock Bezel



Fits 7-3/4" German box clock dials on **Page**
#37.

No. 23103 8-1/8" **\$22.50 each**

Brass Bezels



One piece. Glass not included. Measurements
are outside diameters. Hinge, latch and glass
tabs not included. Please ask for a convex or
flat glass to fit if needed.

No. 13240 2-3/4" Dia. **\$13.50 each**

No. 13239 3-1/8" Dia. **\$13.50 each**

No. 13238 3-1/2" Dia. **\$13.50 each**

No. 13235 4-1/2" Dia. **\$15.00 each**

No. 13234 4-3/4" Dia. **\$15.00 each**

No. 13232 5" Dia. **\$15.50 each**

No. 13231 5-1/8" Dia. **\$15.50 each**

No. 13230 5-1/4" Dia. **\$15.50 each**

No. 13229 5-3/8" Dia. **\$15.50 each**

No. 13228 5-1/2" Dia. **\$15.50 each**

No. 13227 5-5/8" Dia. **\$15.50 each**

No. 13226 5-3/4" Dia. **\$15.50 each**

No. 13225 5-7/8" Dia. **\$15.50 each**

No. 13224 6" Dia. **\$16.00 each**

No. 13223 6 1/8" Dia. **\$16.00 each**

No. 13222 6 1/4" Dia. **\$16.00 each**

No. 13220 6-1/2" Dia. **\$16.00 each**

No. 11669 7" Dia. **\$19.50 each**

No. 11668 7-1/2" Dia. **\$19.50 each**

No. 13219 8-5/8" Dia. **\$20.00 each**

No. 13218 8-7/8" Dia. **\$20.00 each**

No. 13217 10-1/2" Dia. **\$21.50 each**

No. 13216 10-7/8" Dia. **\$21.50 each**

No. 13215 12-5/8" Dia. **\$30.50 each**

No. 23125 12-7/8" Dia. **\$30.50 each**

No. 23124 13" Dia. **\$30.50 each**

No. 13214 13-1/8" Dia. **\$30.50 each**

Bezel & Dial Pan Assemblies



Hinge and latch soldered in place. Glass tabs
included. Glass not included. O.D. is indicated.

No. 13248 8-7/8" **\$45.00 set**

No. 13247 10-7/8" **\$50.00 set**

No. 13246 12-5/8" **\$66.50 set**

No. 13245 13-1/8" **\$68.50 set**

Clock Parts: Bezels, Dial Pans & Related

Convex & Flat Glass Bezel Assemblies



Bezel Dia.	Brass Bezels With Flat Glass	Price	Brass Bezels With Convex Glass	Price
4"	No. 13261	\$16.25	No. 29598	\$18.00
4-1/2"	No. 13260	\$16.50	No. 29599	\$18.25
4-7/8"	No. 19255	\$16.75	No. 29600	\$18.50
5"	No. 13259	\$17.00	No. 29601	\$18.75
5-1/8"	No. 13258	\$17.25	No. 29602	\$19.00
5-1/4"	No. 13257	\$17.50	No. 29603	\$19.25
5-3/8"	No. 13256	\$17.75	No. 29604	\$19.50
5-1/2"	No. 13255	\$18.00	No. 29605	\$20.00
5-9/16"	No. 20674	\$18.25	No. 29606	\$20.50
5-5/8"	No. 13254	\$18.50	No. 29607	\$21.00
5-3/4"	No. 13253	\$18.75	No. 29608	\$21.50
6"	No. 13252	\$19.00	No. 29609	\$22.00
6-1/8"	No. 19256	\$19.25	N/A	—
6-1/4"	No. 13251	\$19.50	No. 29610	\$22.50
6-3/8"	No. 13250	\$19.75	No. 29611	\$23.00
6-1/2"	No. 13249	\$20.00	No. 29612	\$23.50

Dial Pans



Plated. O.D. is indicated. Recessed to fit case openings. Drilled center hole. USA.

No. 13213	..... 4-3/4"	\$13.00 each
No. 13212	..... 5"	\$13.00 each
No. 33147	..... 5-1/8"	\$13.00 each
No. 13211	..... 5-1/4"	\$13.00 each
No. 13210	..... 5-1/2"	\$13.00 each
No. 13209	..... 5-3/4"	\$13.00 each
No. 13208	..... 6"	\$13.00 each
No. 13206	Kitchen Clock 6 3/8"	\$15.00 each
No. 13205	..... 8-5/8"	\$19.50 each
No. 13204	..... 8-7/8"	\$19.50 each
No. 13203	..... 10-1/2"	\$20.50 each
No. 13202	..... 10-7/8"	\$20.50 each
No. 13201	..... 12-5/8"	\$22.00 each
No. 13200	..... 13-1/8"	\$22.00 each

Economy Dial Pans-Steel



Brass plated steel. Approximate 7.5mm (.295") recess depth. 10.3MM (0.405") drilled center hole with a raised rim. China.

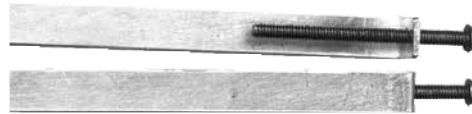
	Outside Dia.	For Dial Dia.	
No. 32821	135mm 5-1/4"	4-1/2"	\$5.50
No. 32822	160mm 6-1/4"	5-1/4"	\$6.00
No. 32823	170mm 6-5/8"	5-1/2"	\$7.00
No. 32824	180mm 7"	6-1/2"	\$8.00
No. 32825	200mm 7-3/4"	7"	\$9.00

Economy Dial Pans-Aluminum



No. 32930	.. 135mm	5-1/4"	4-1/2"	\$3.50
No. 32931	.. 160mm	6-1/4"	5-1/4"	\$3.75
No. 32932	.. 170mm	6-5/8"	5-1/2"	\$4.00
No. 32933	.. 180mm	7"	6-1/2"	\$4.50
No. 32934	.. 200mm	7-3/4"	7"	\$5.00

French Movement Mounting Straps



6" long with screws. Mounts French movements into cases. Sold in pairs.

No. 12784 \$7.50 pair

Retainer Clip-Brass



Used to hold Seth Thomas #2 bezel glass.
No. 20808 \$1.00 each

Fancy Bezel Hinge



Brass. 2" long. For school clocks.
No. 10416 \$4.75 each

Bezel Hinge



Brass. 1" wide x 1-1/4" long.
No. 23982 \$1.50 each

Bezel Latch



Formed brass bezel latch.
No. 23987 1-5/8" x 5/16" 50¢ each
No. 23260 1-3/4" x 3/8" 50¢ each
No. 23986 2" x 1/2" 50¢ each
Bezel Latch 6 Piece Assortment
2 pieces each of 3 above sizes.
No. 32346 \$2.50 pack

Bezel Latch & Catch



No soldering. Just drill a hole in the bezel and install. 1" wide x 5/8" long. Brass.
No. 10418 \$3.25 each

Bezel Glass Tabs



12 pre-bent brass glass tabs.
No. 23985 3/8" x 3/8" \$2.25 pack
No. 17692 3/8" x 1/2" \$2.25 pack

Bezel T-Tabs



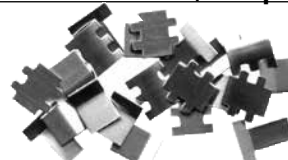
Pre-bent brass T-tabs. 10 pieces per pack.
No. 23739 . 3/8"W x 7/16"T \$2.25 pack
No. 23740 ... 1/2"W x 5/8"T \$2.25 pack

Seth Thomas Bezel Tab Assortment



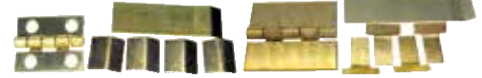
6 each of 3 different brass tabs. 18 in a pack.
No. 23343 \$4.50 pack

Glass Tab Assortment



Assortment of 20 brass glass tabs in five different styles. Soldering required.
No. 20416 \$4.00 pack

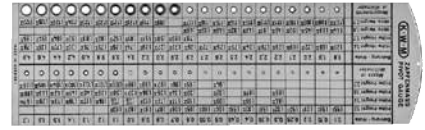
Bezel Hardware Packs



Brass hinge, latch and glass tabs. The small pack fits bezels 5-7/8" and smaller. The large pack fits bezels 6" and larger.

No. 32969 Small \$1.75 pack
No. 33047 Large \$2.00 pack

Clock Parts: KWM Bushings and Related KWM Pivot Gauge



Measures the diameter of the pivot and gives the correct bushing and reamer size. All dimensions are in millimeters. Germany.

No. 13483 \$145.00 each

American Made Blank Bushings In KWM Sizes



O.D.	Height	20 Piece Pack
1.80mm	1.90mm	No. 27083
1.80mm	2.70mm	No. 27084
2.70mm	1.90mm	No. 27085
2.70mm	2.70mm	No. 27086
3.50mm	1.90mm	No. 27089
3.50mm	3.50mm	No. 27091
3.50mm	5.50mm	No. 27092

\$7.50 pack \$21.75/ 3 packs
\$84.00/ 12 packs

For Thicker Plate Movements-KWM Bushings



	American Made Brass 20-Pack 3.50mm Height	American Made Brass 50-Pack 3.50mm Height
	<u>2.70mm O.D.</u>	<u>2.70mm O.D.</u>
Bore		
1.10mm	No. 27056	No. 17056
1.20mm	No. 27057	No. 17057
1.30mm	No. 27058	No. 17058
1.40mm	No. 27059	No. 17059
1.50mm	No. 27060	No. 17060
1.60mm	No. 27061	No. 17061
1.70mm	No. 27062	No. 17062
1.80mm	No. 27063	No. 17063
1.90mm	No. 27064	No. 17064
	<u>3.50mm Height</u>	<u>3.50mm Height</u>
Bore		
2.00mm	No. 27050	No. 17050
2.10mm	No. 27051	No. 17051
2.20mm	No. 27078	No. 17078
2.30mm	No. 27052	No. 17052
2.40mm	No. 27053	No. 17053
2.50mm	No. 27082	No. 17082
2.60mm	No. 27054	No. 17054
2.70mm	No. 27055	No. 17055

20 piece packs \$7.50 pack
\$21.75/ 3 (\$7.25) \$84.00/ 12 (\$7.00)

50 piece packs \$16.50 pack
\$48.75/ 3 (\$16.25) \$192.00/ 12 (\$16.00)

Clock Parts: KWM Bushings & Related

Bushings listed on pages #10 and #11 use the KWM/American bushing system. To select the correct bushing refer to bushing chart on Page #12



(A) KWM Brass Bushings made in Germany. L-01 through L-127 and L138 through L-147 are sold in packages of 20. Bushings L-128 through L-138 sold in packs of 10.

10 piece packs \$15.00 pack
20 piece packs \$9.00 pack

(B) American Made Brass Bushings are the same dimensions as KWM bushings but are made from 35% harder brass.

10 piece packs \$11.50 pack
20 piece packs \$7.50 pack
\$21.75/ 3 (\$7.25) \$84.00/ 12 (\$7.00)
25 piece packs \$14.50 pack

(C) 50 piece packs \$16.50 pack
\$48.75/ 3 (\$16.25) \$192.00/ 12 (\$16.00)

(D) American Made Bronze Bushings are the same dimensions as KWM bushings but softer than brass for ease of machining.

Under 5mm Bushing OD
\$5.50 pack \$15.25/ 3 (\$4.75)

5mm Bushing OD & Over
Note: * Item Pricing
\$7.50 pack \$21.75/ 3 (\$7.25)

**American Made
Brass Bushing
Assortments-
KWM Sizes**



100 bushings, ten each of ten different sizes in a partitioned storage box. Refills are available. Sizes listed next to the part numbers are the KWM equivalents.

No. 11604... 14, 15, 16, 17, 18, 19, 20, 67, 21, 68
This is a good general clock repair assortment.

No. 11605... 37, 38, 39, 40, 41, 42, 43, 88, 44, 89

Our most popular clockmakers assortment.

No. 11664 100, 101, 102, 103, 104, 105, 106, 107, 108, 109

Perfect for English and German clocks.

No. 11665 107, 108, 109, 110, 111, 112, 113, 114, 115, 116

Made for large diameter pivots.

No. 11666 ... 3.50 Height 1.1mm Bore Through 2.0mm Bore

For Herschede and other thick plate clocks.

No. 11667 ... 3.50 Height 1.8mm Bore Through 2.7mm Bore

For Herschede and other thick plate clocks.

\$38.00 each assortment

**American Made Bronze Bushing
Assortments-KWM Sizes**

No. 23888 14, 15, 16, 17, 18, 19, 20, 67, 21, 68

This is a good general clock repair assortment.
No. 23889 37, 38, 39, 40, 41, 42, 43, 88, 44, 89

Our most popular assortment.

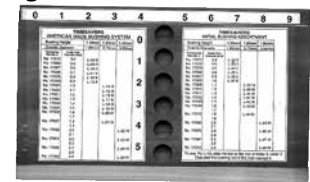
\$27.50 assortment \$54.50/ 2 (\$27.25)

10

	(A) German Made KWM Brass 20 Piece Pack	(B) American Made KWM Sizes Brass 20-Piece Pack	(C) American Made KWM Sizes Brass 50-Piece Pack	(D) American Made KWM Sizes Bronze 20-Piece Pack
L-01	No. 11301	N/A	N/A	No. 30601
L-02	No. 11302	N/A	N/A	No. 30602
L-03	No. 11303	N/A	N/A	No. 30603
L-04	No. 11304	No. 27139	N/A	No. 30604
L-05	No. 11305	No. 27140	N/A	No. 30605
L-06	No. 11306	No. 27141	N/A	No. 30606
L-07	No. 11307	No. 27142	N/A	No. 30607
L-08	No. 11308	No. 27070	No. 17070	No. 30608
L-09	No. 11309	No. 27069	No. 17069	No. 30609
L-10	No. 11310	No. 27027	No. 17027	No. 30610
L-11	No. 11311	No. 27028	No. 17028	No. 24131
L-12	No. 11312	No. 27029	No. 17029	No. 24132
L-13	No. 11313	No. 27030	No. 17030	No. 24133
L-14	No. 11314	No. 27065	No. 17065	No. 24134
L-15	No. 11315	No. 27000	No. 17000	No. 24135
L-16	No. 11316	No. 27001	No. 17001	No. 24136
L-17	No. 11317	No. 27002	No. 17002	No. 24137
L-18	No. 11318	No. 27003	No. 17003	No. 24138
L-19	No. 11319	No. 27004	No. 17004	No. 24139
L-20	No. 11320	No. 27005	No. 17005	No. 24140
L-21	No. 11321	No. 27007	No. 17007	No. 24141
L-22	No. 11322	No. 27032	No. 17032	No. 30622
L-23	No. 11323	No. 27074	No. 17074	No. 30623
L-24	No. 11324	No. 27035	No. 17035	No. 30624
L-25	No. 11325	No. 27036	No. 17036	No. 30625
L-26	No. 11326	No. 27143	N/A	No. 30626
L-27	No. 11327	No. 27144	N/A	*No. 30627
L-28	No. 11328	No. 27145	N/A	*No. 30628
L-29	No. 11329	No. 27146	N/A	*No. 30629
L-30	No. 11330	No. 27147	N/A	*No. 30630
L-31	No. 11331	No. 27148	N/A	*No. 30631
L-32	No. 11332	No. 27071	No. 17071	No. 30632
L-33	No. 11333	No. 27072	No. 17072	No. 24142
L-34	No. 11334	No. 27073	No. 17073	No. 24143
L-35	No. 11335	No. 27066	No. 17066	No. 24144
L-36	No. 11336	No. 27067	No. 17067	No. 24145
L-37	No. 11337	No. 27068	No. 17068	No. 24146
L-38	No. 11338	No. 27009	No. 17009	No. 24147
L-39	No. 11339	No. 27010	No. 17010	No. 24148
L-40	No. 11340	No. 27011	No. 17011	No. 24149
L-41	No. 11341	No. 27012	No. 17012	No. 24150
L-42	No. 11342	No. 27013	No. 17013	No. 24151
L-43	No. 11343	No. 27014	No. 17014	No. 24152
L-44	No. 11344	No. 27016	No. 17016	No. 24153
L-45	No. 11345	No. 27038	No. 17038	No. 30645
L-46	No. 11346	No. 27075	No. 17075	No. 30646
L-47	No. 11347	No. 27041	No. 17041	No. 30647
L-48	No. 11348	No. 27042	No. 17042	No. 30648
L-49	No. 11349	No. 27149	N/A	No. 30649
L-50	No. 11350	No. 17083 (25 Pack)	N/A	*No. 30650
L-51	No. 11351	No. 17084 (25 Pack)	N/A	*No. 30651
L-52	No. 11352	No. 17086 (25 Pack)	N/A	*No. 30652
L-53	No. 11353	No. 27150	N/A	*No. 30653
L-54	No. 11354	No. 27151	N/A	*No. 30654
L-55	No. 11355	N/A	N/A	No. 30655
L-56	No. 11356	N/A	N/A	No. 30656
L-57	No. 11357	N/A	N/A	No. 30657
L-58	No. 11358	N/A	N/A	No. 30658
L-59	No. 11359	N/A	N/A	No. 30659
L-60	No. 11360	N/A	N/A	No. 30660
L-61	No. 11361	No. 27152	N/A	No. 30661
L-62	No. 11362	No. 27153	N/A	No. 30662
L-63	No. 11363	No. 27154	N/A	No. 30663
L-64	No. 11364	No. 27076	No. 17076	No. 30664
L-65	No. 11365	No. 27031	No. 17031	No. 30665
L-66	No. 11366	No. 27155	N/A	No. 24154
L-67	No. 11367	No. 27006	No. 17006	No. 24155
L-68	No. 11368	No. 27008	No. 17008	No. 24156
L-69	No. 11369	No. 27033	No. 17033	No. 30669
L-70	No. 11370	No. 27034	No. 17034	No. 30670
L-71	No. 11371	No. 27079	No. 17079	No. 30671
L-72	No. 11372	No. 27037	No. 17037	No. 30672
L-73	No. 11373	No. 27156	N/A	*No. 30673
L-74	No. 11374	No. 27157	N/A	*No. 30674

Size	(A) KWM German Made Brass 20-Piece Pack	(B) American Made KWM Sizes Brass 20-Piece Pack	(C) American Made KWM Sizes Brass 50-Piece Pack	(D) American Made KWM Sizes Bronze 20-Piece Pack
L-75	No. 11375	No. 27158	N/A	*No. 30675
L-76	No. 11376	No. 27159	N/A	*No. 30676
L-77	No. 11377	No. 27160	N/A	*No. 30677
L-78	No. 11378	No. 27161	N/A	*No. 30678
L-79	No. 11379	No. 27162	N/A	*No. 30679
L-80	No. 11380	No. 27163	N/A	*No. 30680
L-81	No. 11381	No. 17085 (25 Pack)	N/A	*No. 30681
L-82	No. 11382	No. 27164	N/A	*No. 30682
L-83	No. 11383	No. 17087 (25 Pack)	N/A	*No. 30683
L-84	No. 11384	No. 17088 (25 Pack)	N/A	*No. 30684
L-85	No. 11385	No. 17089 (25 Pack)	N/A	*No. 30685
L-86	No. 11386	N/A	N/A	No. 30686
L-87	No. 11387	N/A	N/A	No. 30687
L-88	No. 11388	No. 27015	No. 17015	No. 24157
L-89	No. 11389	No. 27017	No. 17017	No. 24158
L-90	No. 11390	No. 27039	No. 17039	No. 30690
L-91	No. 11391	No. 27040	No. 17040	No. 30691
L-92	No. 11392	No. 27080	No. 17080	No. 30692
L-93	No. 11393	No. 27043	No. 17043	No. 30693
L-94	No. 11394	No. 27165	N/A	No. 30694
L-95	No. 11395	No. 27166	N/A	No. 30695
L-96	No. 11396	No. 27167	N/A	No. 30696
L-97	No. 11397	No. 27168	N/A	No. 30697
L-98	No. 11398	No. 32257	N/A	No. 30698
L-99	No. 11399	No. 32258	N/A	No. 30699
L-100	No. 11400	No. 27018	No. 17018	No. 30700
L-101	No. 11401	No. 27019	No. 17019	No. 30701
L-102	No. 11402	No. 27020	No. 17020	No. 30702
L-103	No. 11403	No. 27021	No. 17021	No. 30703
L-104	No. 11404	No. 27022	No. 17022	No. 30704
L-105	No. 11405	No. 27023	No. 17023	No. 30705
L-106	No. 11406	No. 27024	No. 17024	No. 30706
L-107	No. 11407	No. 27025	No. 17025	No. 30707
L-108	No. 11408	No. 27026	No. 17026	No. 30708
L-109	No. 11409	No. 27044	No. 17044	No. 30709
L-110	No. 11410	No. 27045	No. 17045	No. 30710
L-111	No. 11411	No. 27077	No. 17077	No. 30711
L-112	No. 11412	No. 27046	No. 17046	No. 30712
L-113	No. 11413	No. 27047	No. 17047	No. 30713
L-114	No. 11414	No. 27081	No. 17081	No. 30714
L-115	No. 11415	No. 27048	No. 17048	No. 30715
L-116	No. 11416	No. 27049	No. 17049	No. 30716
L-117	No. 11417	No. 32259	N/A	No. 30717
L-118	No. 11418	No. 17090 (25 Pack)	N/A	*No. 30718
L-119	No. 11419	No. 17091 (25 Pack)	N/A	*No. 30719
L-120	No. 11420	No. 17092 (25 Pack)	N/A	*No. 30720
L-121	No. 11421	No. 17093 (25 Pack)	N/A	*No. 30721
L-122	No. 11422	No. 32260	N/A	*No. 30722
L-123	No. 11423	No. 17094 (25 Pack)	N/A	*No. 30723
L-124	No. 11424	No. 32261	N/A	*No. 30724
L-125	No. 11425	No. 17095 (25 Pack)	N/A	*No. 30725
L-126	No. 11426	No. 32262	N/A	*No. 30726
L-127	No. 11427	No. 17096 (25 Pack)	N/A	*No. 30727
L-128	No. 11428 (10 Pack)	No. 17097 (10 Pack-4mm Ht.)	N/A	*No. 30728
L-129	No. 11429 (10 Pack)	No. 32263	N/A	*No. 30729
L-130	No. 11430 (10 Pack)	No. 17098 (10 Pack-4mm Ht.)	N/A	*No. 30730
L-131	No. 11431 (10 Pack)	No. 32264	N/A	*No. 30731
L-132	No. 11432 (10 Pack)	No. 17099 (10 Pack-4mm Ht.)	N/A	*No. 30732
L-133	No. 11433 (10 Pack)	No. 32265	N/A	*No. 30733
L-134	No. 11434 (10 Pack)	No. 17100 (10 Pack)	N/A	*No. 30734
L-135	No. 11435 (10 Pack)	No. 32298	N/A	*No. 30735
L-136	No. 11436 (10 Pack)	No. 17101 (10 Pack)	N/A	*No. 30736
L-137	No. 11437 (10 Pack)	No. 32299	N/A	*No. 30737
L-138	No. 11438	No. 32300	N/A	No. 30738
L-139	No. 11439	No. 32301	N/A	No. 30739
L-140	No. 11440	No. 32302	N/A	No. 30740
L-141	No. 11441	No. 32303	N/A	No. 30741
L-142	No. 11442	No. 32304	N/A	No. 30742
L-143	No. 11443	No. 32305	N/A	No. 30743
L-144	No. 11444	No. 32306	N/A	No. 30744
L-145	No. 11445	No. 32307	N/A	No. 30745
L-146	No. 11446	No. 32308	N/A	No. 30746
L-147	No. 11447	No. 32309	N/A	No. 30747

American Made Brass Bushing Bushing Assortments-KWM Sizes



Labeled to locate bushings. Initial Assortment contains 350 bushings, 10 each of 35 sizes. Supplementary Assortment contains 310 bushings, 10 each of 31 sizes. Design your own by ordering the empty box below.

No. 11713 Initial Sizes 8 through 48
\$175.00 each

No. 11714 Supp. Sizes 64 through 116
\$162.00 each

No. 11999 Set Of Two **\$32.00 set**

Wood Bushing Box Only

Hardwood empty boxes with sliding tops and blank labels. 7-1/2" x 4-3/4" x 1" deep.

No. 11715 60 Holes **\$32.00 each**

German Made Brass Assortments- KWM Sizes



10 each of 10 sizes. 100 in a box. Germany.

No. 10883 **Assortment I**
L-56, L-01, L-57, L-02, L-58, L-03, L-59, L-04, L-05, L-06

No. 10884 **Assortment II**
L-08, L-09, L-10, L-11, L-12, L-13, L-14, L-15, L-16, L-17

No. 10885 **Assortment III**
L-18, L-19, L-20, L-21, L-22, L-23, L-24, L-25, L-26, L-27

No. 10886 **Assortment IIIa**
L-65, L-66, L-67, L-68, L-69, L-70, L-71, L-72, L-73, L-27

No. 10887 **Assortment IV**
L-28, L-29, L-30, L-31, L-81, L-82, L-83, L-84, L-54, L-85

No. 10888 **Assortment IVa**
L-74, L-75, L-76, L-77, L-78, L-79, L-50, L-51, L-52, L-53

No. 10889 **Assortment V**
L-86, L-87, L-32, L-33, L-34, L-35, L-36, L-37, L-38, L-39

No. 10890 **Assortment VI**
L-40, L-41, L-42, L-43, L-44, L-45, L-46, L-47, L-48, L-49

No. 10891 **Assortment VIIa**
L-88, L-89, L-90, L-91, L-92, L-93, L-98, L-100, L-102, L-104

No. 10892 **Assortment VII**
L-94, L-95, L-96, L-97, L-99, L-101,
L-103, L-105, L-107, L-109

No. 10893 **Assortment VIIa**
L-106, L-109, L-110, L-111, L-112, L-113,
L-114, L-115, L-116, L-117

No. 10894 **Assortment VIII**
L-118, L-119, L-120, L-121, L-122, L-123,
L-124, L-125, L-126, L-127

No. 10896 **Assortment X**
L-138, L-139, L-140, L-141, L-142, L-143,
L-144, L-145, L-146, L-147

5 each of 10 sizes on the following assortment.
No. 10895 **Assortment IX**
L-128, L-129, L-130, L-131, L-132, L-133,
L-134, L-135, L-136, L-137

\$48.50 box

Z Pivot Diameter	B BORE	H	1.0			1.4			1.7		1.9		2.7			3.0			4.0	
		D	1.2	1.8	1.8	2.7	3.5	4.7	5.9	5.9	1.8	2.7	3.5	1.8	2.7	3.5	4.7	5.9	8.7	8.7
		R	1.18	1.78	1.78	2.68	3.48	4.66	5.85	5.85	1.78	2.68	3.48	1.78	2.68	3.48	4.66	5.85	8.64	8.64
		RN	I	II	II	III	IV	IVa	V	V	II	III	IV	II	III	IV	IVa	V	VI	VI
0.07-0.08	0.1		L55																	
0.10-0.12	0.15		L56																	
0.15-0.17	0.2		L01																	
0.19-0.21	0.25		L57																	
0.23-0.25	0.3		L02		L64					L86										
0.27-0.30	0.35		L58																	
0.32-0.35	0.4		L03		L08					L87										
0.38-0.40	0.45		L59																	
0.42-0.45	0.5		L04		L09					L32			L94							
0.48-0.50	0.55		L60																	
0.53-0.55	0.6		L05		L10					L33			L95							
0.57-0.60	0.7		L06		L11					L34			L96							
0.65-0.70	0.8		L07		L12					L35			L97							
0.75-0.80	0.9			L61	L13					L36			L98							
0.85-0.90	1.0			L62	L65	L14				L37				L99						
0.95-1.00	1.1				L66	L15					L38			L100						
1.05-1.10	1.2					L16					L39			L101						
1.15-1.20	1.3					L17					L40			L102						
1.25-1.30	1.4					L18					L41			L103						
1.35-1.40	1.5					L19					L42			L104						
1.45-1.50	1.6					L20					L43			L105						
1.55-1.60	1.7					L67					L88			L106						
1.65-1.70	1.8					L21					L44			L107						
1.75-1.80	1.9					L68					L89			L108						
1.85-1.90	2.0						L22					L45			L109					
1.95-2.00	2.1						L69					L90			L110					
2.05-2.10	2.2						L23					L46			L111					
2.15-2.20	2.3						L70					L91			L112					
2.25-2.30	2.4						L24					L47			L113					
2.35-2.40	2.5						L71					L92			L114					
2.45-2.50	2.6						L25					L48			L115					
2.55-2.60	2.7						L72					L93			L116					
2.65-2.70	2.8						L26			L79		L49			L117					
2.75-2.80	2.9							L138	L73	L80						L143				
2.85-2.90	3.0							L139	L27	L50						L144	L118			
2.95-3.05	3.2							L140	L28	L51						L145	L119			
3.10-3.25	3.4							L141	L74	L81						L146	L120			
3.30-3.45	3.6							L142	L29	L52						L147	L121			
3.55-3.65	3.8								L75	L82							L122			
3.75-3.85	4.0								L76	L83							L123			
3.90-4.05	4.2								L30	L53							L124			
4.15-4.25	4.4								L77	L84							L125			
4.35-4.45	4.6								L31	L54							L126			
4.55-4.65	4.8								L78	L85							L127			
4.75-4.85	5.0																	L128		
5.00-5.05	5.2																	L129		
5.15-5.25	5.4																	L130		
5.35-5.45	5.6																	L131		
5.55-5.65	5.8																	L132		
5.75-5.85	6.0																	L133		
5.95-6.05	6.2																		L134	
6.15-6.25	6.4																		L135	
6.35-6.45	6.6																		L136	
6.55-6.65	6.8																		L137	

A technical diagram of a bushing. It shows a cross-section of a U-shaped component. The height of the side walls is labeled 'H'. The width of the bottom opening is labeled 'B'. The total width of the component at the base is labeled 'D'.

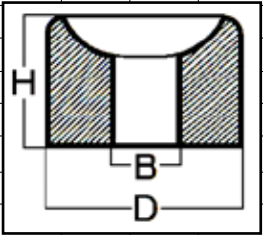
How To Use KWM Chart

To select the correct bushing, the numbers prefixed by the letter "L", such as L57, indicate the bushing number, which also serves as a refill number for the various assortments.

To select the correct bushing, first measure the pivot, and find its measurement in the range of the sizes across, you will find the various bushings that will fit this size pivot ("B").

If more than one size bushing is available, select the thickness of the bushing you need by referring to the top line of the chart along side the letter "H" and the correct diameter by referring to the second line after the letter "D".

After choosing the bushing, read up the column to the line "RN" which indicates the size of reamer to be used for the selected bushing. Reamers are identified by Roman Numerals.



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Clock Parts: Bergeon & American Made Bergeon Style Bushings

American Made Blank Bushings In Bergeon Sizes



American made blanks (no center hole bored)
in Bergeon sizes. 20 pieces per pack.

Brass #	Bronze #	Height (mm)	OD (mm)
No. 30300	No. 24599	1.5	2.0
No. 30302	No. 24608	2.0	2.0
No. 30303	No. 24594	3.0	2.0
No. 30306	No. 24555	1.5	2.5
No. 30307	No. 24558	2.0	2.5
No. 30309	No. 24561	3.0	2.5
No. 30310	No. 24564	1.5	3.0
No. 30311	No. 24567	2.0	3.0
No. 30312	No. 24573	3.0	3.0
No. 30313	No. 24500	1.5	3.5
No. 30319	No. 24509	2.0	3.5
No. 30322	No. 24518	3.0	3.5
No. 30329	No. 24576	1.5	4.5
No. 30331	No. 24581	2.0	4.5
No. 30334	No. 24589	3.0	4.5
No. 30527	No. 30927	5.0	3.0
No. 30528	No. 30928	5.0	4.0
\$5.50 pack		\$15.75/ 3 (\$5.25)	
No. 30529	No. 30929	5.0	5.0
No. 30530	No. 30930	5.0	6.0
\$7.50 pack		\$21.75 3 (\$7.25)	

American Made Bushings In Bergeon Sizes



Bergeon Numbers	OD	Height	Bore	American Brass 20 Pack	American Bronze 20 Pack
B101	2.0	5.0	0.8	No. 30501	No. 30901
B102	2.0	5.0	1.0	No. 30502	No. 30902
B103	2.5	5.0	1.0	No. 30503	No. 30903
B104	2.5	5.0	1.2	No. 30504	No. 30904
B105	3.0	5.0	1.2	No. 30505	No. 30905
B106	2.5	5.0	1.4	No. 30506	No. 30906
B107	3.0	5.0	1.4	No. 30507	No. 30907
B108	3.0	5.0	1.6	No. 30508	No. 30908
B109	2.5	5.0	1.6	No. 30509	No. 30909
B110	3.0	5.0	1.8	No. 30510	No. 30910
B111	3.5	5.0	1.8	No. 30511	No. 30911
B112	3.5	5.0	2.0	No. 30512	No. 30912
B113	4.0	5.0	2.0	No. 30513	No. 30913
B114	3.5	5.0	2.2	No. 30514	No. 30914
B115	4.0	5.0	2.2	No. 30515	No. 30915
B116	3.5	5.0	2.4	No. 30516	No. 30916
B117	4.0	5.0	2.4	No. 30517	No. 30917
B118	3.5	5.0	2.6	No. 30518	No. 30918
B119	4.0	5.0	2.6	No. 30519	No. 30919
B120	4.0	5.0	2.8	No. 30520	No. 30920
B121	4.5	5.0	3.0	No. 30521	No. 30921
\$5.50 pack		\$15.75/ 3 (\$5.25)			
B122	6.0	5.0	4.0	No. 30522	No. 30922
B123	6.5	5.0	4.5	No. 30523	No. 30923
B124	7.0	5.0	5.0	No. 30524	No. 30924
B125	8.0	5.0	6.0	No. 30525	No. 30925
B126	8.5	5.0	6.5	No. 30526	No. 30926
\$7.50 pack		\$21.75 3 (\$7.25)			

American Made Bushings Assortments For The Bergeon System



Assortments consist of 10 pieces each of 10 different bushing sizes. Combine assortments for quantity discounts.

\$28.50 assortment

For small bores - 1.5mm plate thickness. Use 1.97mm, 2.47mm and 2.97mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
#31	0.30	1.50	2.00
#01	0.40	1.50	2.00
#02	0.50	1.50	2.00
#03	0.60	1.50	2.00
#05	0.70	1.50	2.00
Special	0.95	1.50	2.00
#07	0.80	1.50	2.50
#09	0.90	1.50	2.50
#11	1.00	1.50	3.00
#13	1.25	1.50	3.00

No. 10269 Brass Bushing Assortment

No. 10599 Bronze Bushing Assortment

For small bores - 2.0mm plate thickness. Use 1.97mm, 2.47mm and 2.97mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
#33	0.40	2.00	2.00
#36	0.50	2.00	2.00
#38	0.65	2.00	2.00
#39	0.75	2.00	2.00
#41	0.80	2.00	2.50
Special	0.90	2.00	2.50
#42	1.00	2.00	3.00
#43	1.10	2.00	3.00
#44	1.20	2.00	3.00
#46	1.30	2.00	3.00

No. 10299 Brass Bushing Assortment

No. 10615 Bronze Bushing Assortment

For small bores - 3.0mm plate thickness. Use 1.97mm, 2.47mm, 2.97mm and 3.47mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
Special	0.40	3.00	2.00
Special	0.50	3.00	2.00
#04	0.60	3.00	2.00
#06	0.70	3.00	2.00
#08	0.80	3.00	2.50
#10	0.90	3.00	2.50
#12	1.00	3.00	3.00
#14	1.25	3.00	3.00
Special	1.20	3.00	3.50
Special	1.30	3.00	3.50

No. 10454 Brass Bushing Assortment

No. 10634 Bronze Bushing Assortment

For medium and large bores - 1.5mm plate thickness. Use 3.47mm and 4.47mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
Special	1.30	1.50	3.50
Special	1.40	1.50	3.50
#15	1.50	1.50	3.50
#49	1.60	1.50	3.50
#17	1.75	1.50	3.50
Special	1.80	1.50	3.50
Special	1.90	1.50	3.50
#19	2.00	1.50	4.50
#21	2.25	1.50	4.50
#23	2.50	1.50	4.50

No. 10271 Brass Bushing Assortment

No. 10610 Bronze Bushing Assortment

For medium and large bores - 2.0mm plate thickness. Use 3.47mm and 4.47mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
#47	1.40	2.00	3.50
#48	1.50	2.00	3.50
#50	1.65	2.00	3.50
#51	1.70	2.00	3.50
#52	1.80	2.00	3.50
#53	1.90	2.00	3.50
#54	2.00	2.00	4.50
#55	2.10	2.00	4.50
#56	2.25	2.00	4.50
#57	2.40	2.00	4.50

No. 10422 Brass Bushing Assortment

No. 10632 Bronze Bushing Assortment

For medium and large bores - 3.0mm plate thickness. Use 3.47mm and 4.47mm reamers.

Bergeon #	Bore(mm)	Height (mm)	OD(mm)
Special	1.40	3.00	3.50
#16	1.50	3.00	3.50
Special	1.60	3.00	3.50
#18	1.75	3.00	3.50
Special	1.80	3.00	3.50
Special	1.90	3.00	3.50
Special	1.90	3.00	4.50
#20	2.00	3.00	4.50
#22	2.25	3.00	4.50
#24	2.50	3.00	4.50

No. 10516 Brass Bushing Assortment

No. 10645 Bronze Bushing Assortment

Blanks (no bore) for 2.0 and 3.0mm plate thickness

Bergeon #	Height (mm)	OD(mm)
Special	2.00	2.00
Special	2.00	2.50
Special	2.00	3.00
Special	2.00	3.00
Special	2.00	3.50
Special	2.00	4.50
Special	3.00	2.00
Special	3.00	2.50
Special	3.00	3.00
Special	3.00	3.50
Special	3.00	4.50

No. 10518 Brass Bushing Assortment

No. 10646 Bronze Bushing Assortment

\$28.50 assortment

Bushing Assortments



225 bushings in a partitioned cardboard box. Contains 10 bushings each #1 through #15 and 5 each of #16 through #30.

No. 18451 Brass Bushings **\$103.00**

No. 20011 Bronze Bushings **\$108.50**

225 bushings in a partitioned cardboard box. 10 bushings each #31 through #45 and 5 each of #46 through #60.

No. 18452 Brass Bushings **\$84.00**

450 bushings in a partitioned cardboard box. 10 bushings each #1 through #15 and #31 through #52 and 5 each of #16 through #30 and #46 through #60.

No. 18453 Brass Bushings **\$164.00**

No. 20013 Bronze Bushings **\$219.50**

Swiss Made Bergeon Bushings

Brass Sizes	10-Pack	100-Pack	Bronze Sizes	10-Pack	100-Pack
#00 to #2	\$6.00	\$34.00	#00 to #2	\$6.00	\$36.00
#3 to #26	\$5.00	\$28.50	#3 to #18	\$5.00	-
#27 to #30	\$12.00	\$56.00	#3 to #26	-	\$32.00
#31 to #58	\$6.00	\$34.00	#19 to #26	\$6.50	-
#59 to #60	\$12.00	\$78.50	#27 to #28	-	\$72.00
			#29 to #30	-	\$97.50
			#27 to #30	\$13.00	-
			#31 to #58	\$6.00	\$36.00
			#59 to #60	\$12.50	\$97.50

10-piece packs, deduct 25¢ per page when ordering 10 or more packs.

100-piece packs, deduct 50¢ per package when ordering 3 or more packs.

American Made Bergeon Size Bushings

Includes many in-between sizes not available from Bergeon. 20-piece packs only.



Under 5mm Bushing OD
\$5.50 pack (Brass or Bronze)
\$15.75/ 3 (\$5.25)
5mm Bushing OD & Over
Note: * Item Pricing
\$7.50 pack (Brass or Bronze)
\$21.75/ 3 (\$7.25)

Bergeon				Bergeon	Bergeon	Bergeon	Bergeon	American Made Bergeon	American Made Bergeon	Bergeon				Bergeon	Bergeon	Bergeon	Bergeon	American Made Bergeon	American Made Bergeon
#	Bore	Height	OD	Brass	Brass	Bronze	Bronze	Sizes Brass 20-Pack	Sizes Bronze 20-Pack	#	Bore	Height	OD	Brass	Brass	Bronze	Bronze	Sizes Brass 20-Pack	Sizes Bronze 20-Pack
-	0.30	2.00	2.00	-	-	-	-	No. 30341	No. 30541	-	1.90	3.00	4.50	-	-	-	-	No. 30335	No. 24590
00	0.30	2.80	2.00	No. 18561	No. 28561	No. 21061	No. 23061	No. 30861	No. 30543	19	2.00	1.50	4.50	No. 18519	No. 28519	No. 21019	No. 23019	No. 30819	No. 24578
0	0.40	2.80	2.00	No. 18562	No. 28562	No. 21062	No. 23062	No. 30862	No. 30542	-	2.50	2.00	4.50	-	-	-	-	No. 30333	No. 24587
1	0.40	1.50	2.00	No. 18501	No. 28501	No. 21001	No. 23001	No. 30801	No. 24602	20	2.00	3.00	4.50	No. 18520	No. 28520	No. 21020	No. 23020	No. 30820	No. 24591
-	0.40	3.00	2.00	-	-	-	-	No. 30304	No. 24595	21	2.25	1.50	4.50	No. 18521	No. 28521	No. 21021	No. 23021	No. 30821	No. 24579
2	0.50	1.50	2.00	No. 18502	No. 28502	No. 21002	No. 23002	No. 30802	No. 24603	22	2.25	3.00	4.50	No. 18522	No. 28522	No. 21022	No. 23022	No. 30822	No. 24592
-	0.50	3.00	2.00	-	-	-	-	No. 30305	No. 24596	23	2.50	1.50	4.50	No. 18523	No. 28523	No. 21023	No. 23023	No. 30823	No. 24580
3	0.60	1.50	2.00	No. 18503	No. 28503	No. 21003	No. 23003	No. 30803	No. 24605	24	2.50	3.00	4.50	No. 18524	No. 28524	No. 21024	No. 23024	No. 30824	No. 24593
4	0.60	3.00	2.00	No. 18504	No. 28504	No. 21004	No. 23004	No. 30804	No. 24597	25	3.00	1.50	5.50	No. 18525	No. 28525	No. 21025	No. 23025	*No. 30825	*No. 30544
5	0.70	1.50	2.00	No. 18505	No. 28505	No. 21005	No. 23005	No. 30805	No. 24606	26	3.00	3.00	5.50	No. 18526	No. 28526	No. 21026	No. 23026	*No. 30826	*No. 30545
6	0.70	3.00	2.00	No. 18506	No. 28506	No. 21006	No. 23006	No. 30806	No. 24598	27	4.00	1.50	6.50	No. 18527	No. 28527	No. 21027	No. 23027	*No. 30827	*No. 30546
-	0.95	1.50	2.00	-	-	-	-	No. 30301	No. 24607	28	4.00	3.00	6.50	No. 18528	No. 28528	No. 21028	No. 23028	*No. 30828	*No. 30547
7	0.80	1.50	2.50	No. 18507	No. 28507	No. 21007	No. 23007	No. 30807	No. 24556	29	5.00	3.00	7.50	No. 18529	No. 28529	No. 21029	No. 23029	*No. 30829	*No. 30548
8	0.80	3.00	2.50	No. 18508	No. 28508	No. 21008	No. 23008	No. 30808	No. 24562	30	6.00	3.00	8.50	No. 18530	No. 28530	No. 21030	No. 23030	*No. 30830	*No. 30549
9	0.90	1.50	2.50	No. 18509	No. 28509	No. 21009	No. 23009	No. 30809	No. 24557	31	0.30	1.50	2.00	No. 18531	No. 28531	No. 21031	No. 23031	No. 30831	No. 24600
-	0.90	2.00	2.50	-	-	-	-	No. 30308	No. 24560	32	0.35	1.50	2.00	No. 18532	No. 28532	No. 21032	No. 23032	No. 30832	No. 24601
10	0.90	3.00	2.50	No. 18510	No. 28510	No. 21010	No. 23010	No. 30810	No. 24563	33	0.40	2.00	2.00	No. 18533	No. 28533	No. 21033	No. 23033	No. 30833	No. 24609
11	1.00	1.50	3.00	No. 18511	No. 28511	No. 21011	No. 23011	No. 30811	No. 24565	34	0.45	2.00	2.00	No. 18534	No. 28534	No. 21034	No. 23034	No. 30834	No. 24610
12	1.00	3.00	3.00	No. 18512	No. 28512	No. 21012	No. 23012	No. 30812	No. 24574	35	0.50	1.20	2.00	No. 18535	No. 28535	No. 21035	No. 23035	No. 30835	No. 30531
13	1.25	1.50	3.00	No. 18513	No. 28513	No. 21013	No. 23013	No. 30813	No. 24566	36	0.50	2.00	2.00	No. 18536	No. 28536	No. 21036	No. 23036	No. 30836	No. 24611
14	1.25	3.00	3.00	No. 18514	No. 28514	No. 21014	No. 23014	No. 30814	No. 24575	37	0.55	1.50	2.00	No. 18537	No. 28537	No. 21037	No. 23037	No. 30837	No. 24604
-	1.00	2.00	3.50	-	-	-	-	No. 30337	No. 30537	38	0.65	2.00	2.00	No. 18538	No. 28538	No. 21038	No. 23038	No. 30838	No. 24612
-	1.00	3.00	3.50	-	-	-	-	No. 30339	No. 30539	39	0.75	2.00	2.00	No. 18539	No. 28539	No. 21039	No. 23039	No. 30839	No. 24613
-	1.10	1.50	3.50	-	-	-	-	No. 30336	No. 30536	40	0.85	2.00	2.50	No. 18540	No. 28540	No. 21040	No. 23040	No. 30840	No. 24559
-	1.10	2.00	3.50	-	-	-	-	No. 30338	No. 30538	41	0.95	1.20	2.50	No. 18541	No. 28541	No. 21041	No. 23041	No. 30841	No. 30532
-	1.10	3.00	3.50	-	-	-	-	No. 30340	No. 30540	42	1.00	2.00	3.00	No. 18542	No. 28542	No. 21042	No. 23042	No. 30842	No. 24568
-	1.20	1.50	3.50	-	-	-	-	No. 30314	No. 24501	43	1.10	2.00	3.00	No. 18543	No. 28543	No. 21043	No. 23043	No. 30843	No. 24569
-	1.20	2.00	3.50	-	-	-	-	No. 30320	No. 24510	44	1.20	2.00	3.00	No. 18544	No. 28544	No. 21044	No. 23044	No. 30844	No. 24570
-	1.20	3.00	3.50	-	-	-	-	No. 30323	No. 24519	45	1.25	2.00	3.00	No. 18545	No. 28545	No. 21045	No. 23045	No. 30845	No. 24571
-	1.30	1.50	3.50	-	-	-	-	No. 30315	No. 24502	46	1.30	2.00	3.00	No. 18546	No. 28546	No. 21046	No. 23046	No. 30846	No. 24572
-	1.30	2.00	3.50	-	-	-	-	No. 30321	No. 24511	47	1.40	2.00	3.50	No. 18547	No. 28547	No. 21047	No. 23047	No. 30847	No. 24512
-	1.30	3.00	3.50	-	-	-	-	No. 30324	No. 24520	48	1.50	2.00	3.50	No. 18548	No. 28548	No. 21048	No. 23048	No. 30848	No. 24513
-	1.40	1.50	3.50	-	-	-	-	No. 30316	No. 24503	49	1.60	1.50	3.50	No. 18549	No. 28549	No. 21049	No. 23049	No. 30849	No. 24505
-	1.40	3.00	3.50	-	-	-	-	No. 30325	No. 24521	50	1.65	2.00	3.50	No. 18550	No. 28550	No. 21050	No. 23050	No. 30850	No. 24514
15	1.50	1.50	3.50	No. 18515	No. 28515	No. 21015	No. 23015	No. 30815	No. 24504	51	1.70	2.00	3.50	No. 18551	No. 28551	No. 21051	No. 23051	No. 30851	No. 24515
16	1.50	3.00	3.50	No. 18516	No. 28516	No. 21016	No. 23016	No. 30816	No. 24522	52	1.80	2.00	3.50	No. 18552	No. 28552	No. 21052	No. 23052	No. 30852	No. 24516
-	1.60	3.00	3.50	-	-	-	-	No. 30326	No. 24523	53	1.90	2.00	3.50	No. 18553	No. 28553	No. 21053	No. 23053	No. 30853	No. 24517
17	1.75	1.50	3.50	No. 18517	No. 28517	No. 21017	No. 23017	No. 30817	No. 24506	54	2.00	2.00	4.50	No. 18554	No. 28554	No. 21054	No. 23054	No. 30854	No. 24583
18	1.75	3.00	3.50	No. 18518	No. 28518	No. 21018	No. 23018	No. 30818	No. 24524	55	2.10	2.00	4.50	No. 18555	No. 28555	No. 21055	No. 23055	No. 30855	No. 24584
-	1.80	1.50	3.50	-	-	-	-	No. 30317	No. 24507	56	2.25	2.00	4.50	No. 18556	No. 28556	No. 21056	No. 23056	No. 30856	No. 24585
-	1.80	3.00	3.50	-	-	-	-	No. 30327	No. 24525	57	2.40	2.00	4.50	No. 18557	No. 28557	No. 21057	No. 23057	No. 30857	No. 24586
-	1.90	1.50	3.50	-	-	-	-	No. 30318	No. 24508	58	2.75	2.00	4.50	No. 18558	No. 28558	No. 21058	No. 23058	No. 30858	No. 24588
-	1.90	3.00	3.50	-	-	-	-	No. 30328	No. 24526	59	5.00	2.00	8.50	No. 18559	No. 28559	No. 21059	No. 23059	*No. 30859	*No. 30533
-	1.90	1.50	4.50	-	-	-	-	No. 30330	No. 24577	60	6.50	2.00	8.50	No. 18560	No. 28560	No. 21060	No. 23060	*No. 30860	*No. 30534
-	1.90	2.00	4.50	-	-	-	-	No. 30332	No. 24582										

Clock Parts: Bushings & Related

Splined Black Forest Brass Clock Bushing Assortment **NEW**



28-piece assortment. 3mm, 4mm and 6mm diameters. Used on antique wood cuckoo clock plates and movements. India.

No. 34055 \$10.00 pack

English Clock Bushings 10-Packs **NEW**



Brass in sizes listed. All are 4.0mm height and taper 0.1mm from top to bottom. India.

No. 34056 2.20/2.10mm OD x 0.80mm ID

No. 34057 2.60/2.50mm OD x 0.90mm ID

No. 34058 3.00/2.90mm OD x 0.90mm ID

No. 34059 3.40/3.30mm OD x 1.00mm ID

No. 34060 3.80/3.70mm OD x 1.10mm ID

No. 34061 4.20/4.10mm OD x 1.10mm ID
\$3.75 pack

Utility Brass Bushings



No. 32841

No. 32842

4.0mm tall with a 2.0mm ID. 5 in a pack. India.

No. 32841 6.0mm OD **\$3.00 pack**

No. 32842 10.0mm OD **\$3.50 pack**

Brass Bushing Assortment



12-piece assortment for bigger clocks and mainspring arbors. 2 each of 6 sizes: 6mm OD x 3mm ID, 7mm OD x 3.5mm ID, 8mm OD x 4mm ID, 9mm OD x 4.5mm ID, 10mm OD x 5mm ID, and 11mm OD x 5mm ID. India.

No. 29000 \$7.00 pack

Brass Clock Bushing Assortment



100 assorted bushings for pivots. India.
No. 17732 \$12.50 pack

Brass Winding Arbor Bushings



O.D.

10.0mm

10.0mm

11.0mm

12.0mm

I.D.

4.0mm

8.0mm

8.0mm

8.0mm

4 pack of bushings. India.

No. 17742 \$3.00 pack

Hermle 2nd Wheel Bronze Bushings



For Hermle #340-020 and #1050-020 2nd wheels arbors. 4mm OD x 2mm H x 2mm ID.

No. 20991 6pack \$9.75 pack

Brass Winding Arbor Bushings



No. 11674

O.D. .320"

Shoulder Dia. .250"

I.D. .210"

Height .125"

No. 11674 Time Bushing **\$1.00 each**

No. 11675 Strike Bushing **\$1.00 each**

No. 11675

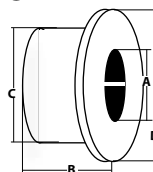
O.D. .330"

Shoulder Dia. .250"

I.D. .190"

Height .250"

Brass Winding Arbor Bushings



Part #	Bore A	Overall Length B	Barrel Diameter C	Head Diameter D
No. 18837	4.00mm	6.00mm	7.00mm	9.50mm
No. 18838	5.00mm	6.00mm	8.00mm	9.50mm
No. 18839	6.00mm	6.00mm	9.00mm	10.00mm
No. 18840	7.00mm	6.00mm	10.00mm	11.00mm
No. 18841	9.00mm	6.00mm	11.00mm	13.00mm

For barrels and winding arbors. **\$3.00 each**

Hermle Cable Drum Bridge Bushing



NEW

For #W051-00471-1051-1171 movements. 27.25mm square x 2.5mm thick brass. 5.5mm diameter center hole. Two 3.0mm diameter opposing corner holes.

No. 33978 \$7.50 each

Bushings-Winding Arbor-Kieninger

No. 32019



No. 20908

No. 20909

No. 20987

For KSU and RSU movements. All are 22mm OD.

No. 20908 5.5mm ID Front **\$8.00 each**

No. 20909 .. 6.5mm ID Rear **\$3.50 each**

No. 20987 .. 3.0mm ID Rear **\$3.50 each**

No. 20908 5.5mm ID For HTU **\$8.00 each**

M2.5 x 5.0mm screw for above bushings.

No. 32019 \$1.00 each

Clock Parts: Bushing Boxes

Plastic Bushing Boxes



No. 29005

No. 29006

No. 29007

No. 29008



No. 29009

No. 29010

No. 23887

2-5/16" x 1-15/16" x 9/16" deep. For small parts or bushing assortments. Slip-on clear cover.

No. 29005 1 Compartment **\$1.25**

No. 29006 2 Compartments **\$1.30**

No. 29007 3 Compartments **\$1.35**

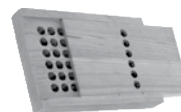
No. 29008 4 Compartments **\$1.40**

No. 23809 8 Compartments **\$1.50**

No. 23810 10 Compartments **\$1.75**

No. 23887 12 Compartments **\$2.00**

Wood Bushing Box



Hardwood empty box with sliding top and blank labels. 7-1/2" x 4-3/4" x 1" deep.

No. 11715 60 Holes **\$32.00 each**

Clock Parts: Cable, Cord, Gut, & Related Cable-Brass



Flexible stranded cable for metal pulleys.

11' Rolls

40 Pounds Maximum Weight

No. 10431 (.03125") 1/32" Dia.

\$6.25 roll \$18.00/ 3 rolls (\$6.00)

75 Pounds Maximum Weight.

No. 32728 (.040") 1.0mm Dia.

85 Pounds Maximum Weight

No. 10432 (.0469") 3/64" Dia.

\$4.75 roll \$13.50/ 3 rolls (\$4.50)

120 Pounds Maximum Weight

No. 31034 (.055") .021" Dia.

150 Pounds Maximum Weight

No. 10433 (.0625") 1/16" Dia.

\$6.25 roll \$18.00/ 3 rolls (\$6.00)

300 Pounds Maximum Weight

No. 17482 (.078") 5/64" Dia.

\$8.00 roll \$23.25/ 3 rolls (\$7.75)

100' Rolls

No. 11295 1/32" Dia. **\$43.75**

No. 23729040" Dia. **\$37.50**

No. 11296 3/64" Dia. **\$37.50**

No. 31063055" Dia. **\$46.00**

No. 11297 1/16" Dia. **\$46.00**

No. 17483 5/64" Dia. **\$58.00**

1000' Rolls

No. 23704 1/32" Dia. **\$405.00**

No. 23730040" Dia. **\$302.50**

No. 23705 3/64" Dia. **\$302.50**

No. 31064055" Dia. **\$405.00**

No. 23706 1/16" Dia. **\$405.00**

No. 23707 5/64" Dia. **\$520.00**

Cable-Stainless Steel



11' Rolls

No. 18832 3/64" **\$4.50 roll**

No. 18833 1/16" **\$4.75 roll**

100' Rolls

No. 18888 3/64" **\$36.00 roll**

No. 18889 1/16" **\$36.50 roll**

Clock Parts: Cable, Cord, Gut, & Related

Cable-Brass-Hermle



.040" (1.0mm) diameter with end fittings.

No. 19285	..... 53-1/2" Long	\$6.75 roll
No. 19286	..... 61" Long	\$7.00 roll
No. 32108	..... 68" Long	\$7.50 roll
No. 29180	..... 76-1/2" Long	\$7.75 roll
No. 20757	..... 79" Long	\$7.75 roll
No. 11601	..... 88-1/2" Long	\$8.00 roll
No. 19287	..... 105-3/4" Long	\$9.00 roll

Cable-Brass-Kieninger

No. 18739	..... 51" Long	\$4.50 roll
No. 23708	..... 60" Long	\$5.25 roll
No. 18740	..... 76" Long	\$6.25 roll
No. 23709	..... 90-1/2" Long	\$7.25 roll
No. 22995	..... 112" Long	\$9.00 roll

Cable-Brass-Urgos

No. 18200	..... 53" Long UW 32	\$5.25
No. 18201	105-3/4" Long UW 3, 66	\$8.50

Brass Cable End Fittings-Hermle



3 each of 2 ends in a package.

No. 20804		\$3.00 pack
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Brass Cable End Fittings-Kieninger



All 6 pieces in the bag are the same size.

No. 29179		\$2.75 pack
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Brass Cable End Fittings-Urgos



All 6 pieces in the bag are the same size.

No. 29178		\$2.75 pack
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Brass Cable End Fittings Assortment



20 assorted cable ends for Hermle, Kieninger and Urgos cables.

No. 29177		\$7.50 pack
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Braided Weight Cord



30 yard roll of cord can be used on American weight clocks, Morbier and others.

No. 10166	... 45# Test .030"Dia.	\$3.50 roll
No. 19954	... 80# Test .037"Dia.	\$4.00 roll
No. 11711	150# Test .060"Dia.	\$5.00 roll

3-Piece Weight Cord Assortment

1 each of above 3 sizes.

No. 32395		\$10.50 pack
16		

Braided Weight Cord



Used on Morbier and tall case clocks.

Morbier

No. 29945	..... 2mm x 12' Natural	\$9.00
No. 29946	.. 2.5mm x 12' Natural	\$9.50
No. 29448	..... 3mm x 12' Natural	\$10.00
No. 29191	..... 3mm x 12' Red	\$11.00

Tall Case

No. 23500	..... 4mm x 12' G/F	\$14.00
No. 20075	..... 5mm x 12' G/F	\$16.50

Animal Gut-Natural



High quality natural gut. Size 0.5mm is sold in 1.25 meter lengths (approximately 4'-1"). 0.6mm to 0.9mm are sold in 5 meter lengths (approximately 16'-4"). (1.0mm through 2.5mm are sold in 2 lengths of 3.5 meters each (approximately 11' 6" for a total of 23').

	Diameter	Length	
No. 29775	.0.50mm	x 1.25 meters	\$3.50
No. 23756	.0.60mm	x 5 meters	\$11.00
No. 23757	.0.70mm	x 5 meters	\$12.00
No. 23758	.0.80mm	x 5 meters	\$14.50
No. 23759	.0.90mm	x 5 meters	\$15.50
No. 22732	.1.00mm	x 7 meters	\$21.00
No. 22733	.1.15mm	x 7 meters	\$23.50
No. 22734	.1.30mm	x 7 meters	\$26.50
No. 29776	.1.40mm	x 7 meters	\$28.00
No. 29777	.1.50mm	x 7 meters	\$30.50
No. 22735	.1.60mm	x 7 meters	\$32.00
No. 29778	.1.70mm	x 7 meters	\$37.00
No. 22736	.1.80mm	x 7 meters	\$38.00
No. 22942	.2.00mm	x 7 meters	\$45.50

Animal Gut-Black



Black finish on natural gut. India.

No. 32940	.0.50mm x 5 meters	\$10.00
No. 32941	.0.60mm x 5 meters	\$11.00
No. 32942	.0.70mm x 5 meters	\$12.00
No. 32943	.0.80mm x 5 meters	\$13.00
No. 32944	.0.90mm x 5 meters	\$14.00
No. 32945	.1.00mm x 7 meters	\$18.00
No. 32946	.1.15mm x 7 meters	\$20.00
No. 32947	.1.30mm x 7 meters	\$22.00
No. 32948	.1.40mm x 7 meters	\$23.00
No. 32949	.1.50mm x 7 meters	\$24.00
No. 32950	.1.60mm x 7 meters	\$25.00
No. 32951	.1.70mm x 7 meters	\$28.00
No. 32952	.1.80mm x 7 meters	\$32.00

Styrofoam Cable Blocks



Keeps cable taught and securely holds pulley while moving clock.

No. 23121		75¢ each
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Cable Guards-Plastic-Hermle



No. 19824

No. 19825

No. 15794

Clear cable guards for Hermle movements.

No. 19824	..... 1-17/32" D x 9/16" W	\$4.50
No. 19825	..... 1-7/8" D x 7/8" W	\$3.50
No. 15794	..... 1-13/16" D x 13/16" W	\$2.50

Cable Guards-Plastic-Kieninger



No. 18741

No. 18742

No. 18741	..... 1-3/4" Dia.	\$3.50 each
No. 18742	..... 2-1/4" Dia.	\$4.00 each

Clock Parts: Case Parts Ansonia Parts

Ansonia Statue Accessories



No. 23743

No. 23751

No. 24533

Cast pot metal. Ready to finish.

No. 23743	..... Axe 4-1/2" Tall	\$7.50
No. 23751	..... Mace 4-1/4" Tall	\$7.50
No. 24533	..... Trident 1-1/2" Tall	\$6.00

Ansonia Statue Urn Kits



No. 19936

No. 22829

Pot metal. Assemble with epoxy. Finishing required on both. Height and diameter shown.

No. 19936	2-3/4" x 2-3/4"	\$32.00 each
No. 22829	..... 4-3/4" x 6"	\$48.00 each

Ansonia Urn Finials



No. 19874

No. 19289

Unfinished cast metal.

No. 19874	..... 1" Tall	\$3.00 each
No. 19289	..... 2-1/8" Tall	\$4.00 each

Clock Parts: Case Parts Ansonia Parts

Ansonia Swinger-Brass



- No. 18377 Top Ribbon **\$8.50 each**
 No. 18381 Face Plate **\$5.50 each**
 No. 18382 Bottom Trim **\$7.50 each**

Swinging Clock Bar Holder-Brass



For French and Ansonia Juno, Gloria, Double Figures, and Mirror swingers. #10-24 threads.
No. 20189 \$17.50 each

Clock Parts: Case Parts Back Covers

Ansonia Back Cover



- For Ansonia china clocks. Brass.
Center to center 4-3/4"
No. 20196 4-3/8" Diameter \$10.00
Center to center 5-1/2"
No. 33681 5-1/8" Diameter \$10.00

Back Covers



- Black metal covers. India.
Center to center 4-1/16"
No. 11982 3-3/4" Dia. \$4.50 each
Center to center 4-3/4"
No. 15703 4-7/16" Dia. \$5.00 each
Center to center 5-1/2"
No. 10799 5-3/16" Dia. \$5.50 each

Clock Parts: Case Parts Columns & Holders

Cast Column Holder



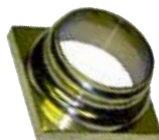
Unfinished double column holder. 2" wide. For 11/16" diameter half columns.
No. 23748 \$4.00 set

Mantel Clock Capitols & Bases



- Unfinished sets of column holders. The I.D. listed is the width of column the capitol will fit.
No. 11949 3/4" W x 3/4" T x 1/2" I.D. \$3.25 set
No. 11950 1" W x 1" T x 3/4" I.D. \$6.00/ 2 (\$3.00)
No. 29182 1-1/2" W x 1-3/8" T x 7/8" I.D. \$4.25

Brass Column Holder



NEW

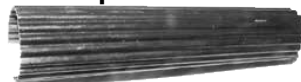
- Column holder 3/4" high. India.
No. 33900 1/2" ID \$7.50 each
No. 23789 3/4" ID \$8.50 each
No. 23791 1" ID \$9.50 each

Mantel Clock Columns



- 1/2 columns. Black metal. Cut to fit.
No. 13281 4" Long x 1/2" Wide \$3.25 each
No. 11980 5-5/8" Long x 9/16" Wide \$6.00/ 2 (\$3.00)
No. 11981 6-1/4" Long x 7/8" Wide \$6.00/ 2 (\$3.00)

Full Columns-Open



- Black reeded open column is 3/4" diameter when closed x 4-9/16" long.
No. 22721 \$3.75 each

Brass Decorative Column



- Stamped .020" brass. 1" wide x 3-1/2" tall x .270" deep. Great for many black mantel clocks. Slightly curved, nail to mount.
No. 32696 \$5.00 each

Marble Effect Paper



NEW

Unique hand made paper sheets measure 8-1/4" X 11-3/4". Each color is applied by hand and no two sheets are alike. Colors, shapes and patterns will vary on each sheet. Glue over columns for a realistic likeness of marble. Requires glue and varnish to finish (not included). Typical representations of color samples can be viewed on line at www.timesavers.com.

- No. 34044 Green, Beige, Gray \$3.00**
No. 34045 Black, Gold, Gray \$3.00
No. 34046 Red, Gold, Silver \$3.00
No. 34047 Ivory, Silver, Gold \$3.00

Clock Parts: Case Parts Corners

Antique Finish-Cast



- Antiqued finish. 2-5/16" x 2-5/16".
No. 29017 \$2.00 each

Case Corner-Closeout



- Cast brass case corner with king's head. 2-7/8" x 2-7/8". Was \$8.00.
No. 33187 \$2.50 each

Brass Plated-Cast



- Beautifully cast. Brass finish. Shell and leaf design. 3-1/4" long legs. Affix to case with glue.
No. 29622 \$7.00 each

Cast Brass Corner-Closeout



- 1-1/2" x 2-1/2" legs. Cast pot metal. Brass finish. Sold individually. Was \$4.50.
No. 33566 \$1.50 each

Case Corners-Closeout



- Cast brass. Sold in pairs. 1-1/8" tall x 2-1/8" long x 5/32" thick. Was \$8.00.
No. 33182 \$2.50 pair

Case Corners-Closeout



- Cast brass. Sold in pairs. 1-13/16" tall x 2-3/4" long x 1/8" thick. Was \$10.00.
No. 01359 \$4.50 pair

Corner-Etched



- Beautifully etched brass. 4" long legs. Affix with screws or nails not included, or glue.
No. 32582 \$5.00 each

Plastic Case Ornament Corner-Closeout



- 1-7/8" tall x 3-3/4" span. 2-3/4" legs. Antique gold finish. Affix with glue. Was \$2.50.
No. 00717 \$1.00 each

Plastic Cherub Case Corner-Closeout



- Antique gold cherub design. 3-1/4" legs. 2-1/2" tall x 4-1/2" span. Was \$2.00.
No. 33396 75¢ each

Corners-Decorative Stamped Brass



- No. 24639 3/4" \$1.00 each**
No. 15824 1" \$1.25 each
No. 24645 1-3/4" \$2.25 each

Clock Parts: Case Parts Cupid

Cupid-Cast



Unfinished. Cast metal. 4-1/2" tall.

No. 10755 \$11.50 each
\$22.50/ 2 (\$11.25)

Clock Parts: Case Parts Eagles

Eagles-Cast



No. 23610



No. 10468
No. 10467
No. 10466

Cast metal eagles with brass finish.

No. 10468 1-3/16" Tall \$4.50 each
No. 10467 2" Tall \$5.50 each
No. 23610 2" Tall \$5.50 each
No. 10466 2-3/4" Tall \$7.00 each

Eagles-Spread Wing



Cast. Antiqued brass finish.

No. 12743 2-3/8" Tall \$8.50 each
No. 12742 2-3/4" Tall \$10.50 each

Eagle-Willard Style



Cast. 3-1/4" W x 2-1/2" T. Antiqued brass finish.
No. 11676 \$12.00 each

Eagles-Cast



No. 11626



No. 12385

Flat back for easy application to cases. 2 mounting holes. Antiqued brass finish.

No. 11626 .. 13/16" T x 2-3/16" W \$2.25
No. 12385 1-3/4" T x 3-1/4" W \$2.50
18

Clock Parts: Case Parts Feet

Feet-Anniversary Clock-Brass Kundo Style

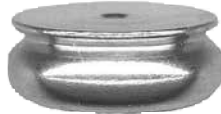


4mm diameter thread x 10mm long.

No. 29394 .. 19.0mm diameter \$2.00 each
\$5.25/ 3 (\$1.75)

No. 29395 .. 25.5mm diameter \$2.25 each
\$6.00/ 3 (\$2.00)

Feet-Brass Bun



3.5mm (.138") untapped mounting hole.

No. 18944 5/8" D x .262" T \$5.50
No. 18945 3/4" D x .480" T \$6.00
No. 18946 31/32" D x .480" T \$6.50
No. 18947 1- 5/32" D x .480" T \$7.50

Feet-Brass



No. 19763 No. 33680
No. 33768



No. 19764

Brass plated castings.

No. 33768 3/8" T x 1-1/2" D \$5.00
No. 19763 1/2" T x 1-1/2" D \$6.50
No. 33680 1-1/8" T x 2-1/4" D \$8.00
No. 19764 1/2" T x 1-7/8" D \$7.50

Feet-Carriage Clock



Quality brass foot. .290" tall. 2.8mm (.110") ID.

No. 18898 \$4.00 each

Feet-Brass Ball With Screw



No. 15840 3/8" Dia. \$2.00 each
No. 15839 1/2" Dia. \$2.25 each
No. 15838 5/8" Dia. \$2.50 each
No. 15837 3/4" Dia. \$3.00 each

Machine Screw/ Wood Screw



1" long. 3/8" long #8-32 machine screw thread on one end goes into a tapped hole. #8 wood screw thread on the other goes into wood. Unfinished steel. 2 pieces per pack.

No. 29535 \$1.50 pack

Leg Leveling Screw-Closeout



5/16-18 x 1-1/8" nickered hex bolt with black phenolic head. End slotted for easy adjusting. Was \$2.50. While supplies last.

No. 01813 75¢ each

Feet-Leg Leveler (M8 x 20.5mm)



Black molded plastic 1-1/8" diameter base is serrated for easy adjustment. Metric screw (close in size to 5/16" diameter x 13/16" long) comes with its own insert. Drill a 10mm hole, screw in the insert and screw in the leg leveler.

No. 32666 \$3.00 each \$11.00/ 4 (\$2.75)

Feet-Leg Levelers (1/4-20 Screws)



No. 18760



No. 15984



No. 23851

Levels clocks on uneven surfaces. Drill a 5/16" hole and press in the T-nut. 1" long thread.

No. 18760 1-3/8" Diameter Base \$15/16" thread.

No. 15984 1" Diameter Base \$3.00 each \$11.00/ 4 (\$2.75)

1-1/16" diameter plastic base. 1" thread. A pack has 4 screws and 4 T-nuts.

No. 23851 \$3.50 pack

Glides



No. 29839



No. 29840

For furniture, clocks, knick-knacks, etc. 4 pieces of each per bag. Both styles have a 5/8" nail.

No. 29839 Brown Plastic \$1.00 bag
No. 29840 Nickered Steel \$1.00 bag

Ansonia Case Foot- Cast



Unfinished. 1-3/16" diameter x 13/16" tall.

No. 29114 \$4.50 each

Feet-Ansonia Statue



Use on Ansonia statue clocks and others. 3/4" elevation. Unfinished casting.

No. 29194 \$10.50 each

Feet-Mantel Clock



Two front and two back. Unfinished castings. 7/8" case elevation.

No. 23761 \$15.00 set



Two front and two back. Unfinished castings. 7/8" case elevation.

No. 10757 \$15.00 set

Clock Parts: Case Parts Feet

Feet-Mantel Clock



Two front and two rear. Unfinished castings. 5/8" case elevation.

No. 23127 **\$15.00 set**

French Clock Feet



Solid brass feet with M4 internal threads.

	Diameter	Height	
No. 33657	18.5mm	19.5mm	\$7.50 each
No. 33658	23.0mm	26.0mm	\$8.50 each
No. 33659	25.0mm	26.7mm	\$9.50 each

Feet-Movement Mounting



Brass. 1-1/8" long.

No. 11505 **50¢ each**

Wonder Wedge-Plastic



Stabilize mantel and grandfather clocks. Slide under clock to fill gap. Stackable. 6 in a pack.

No. 29833 **\$3.00 pack**

Clock Parts: Case Parts Finials

Cuckoo Finial



Unfinished hardwood. Measures 2-7/16" tall.

No. 29237 **\$2.50 each**
\$6.75/3 (\$2.25)

Fashion Calendar Finials



Used on Fashion calendar clocks and others. One finial is 5" tall, the other two are 4" tall.

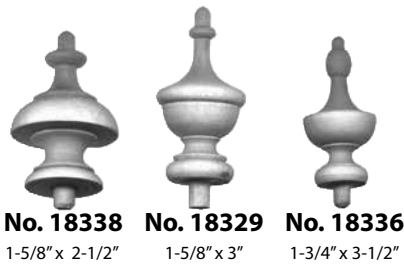
No. 29817 **\$35.00 set**

Finials-Wood

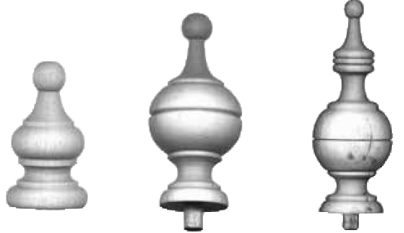
Diameter and height indicated. Height does not include mounting peg. Unfinished.



No. 18339	No. 18337	No. 18340
1" x 2-1/8"	1-3/4" x 2-1/2"	2-1/2" x 2-3/4" Flat On One Side



No. 18338	No. 18329	No. 18336
1-5/8" x 2-1/2"	1-5/8" x 3"	1-3/4" x 3-1/2"



No. 18334	No. 18335	No. 18332
1-1/2" x 2-3/8"	1-1/2" x 3-1/4"	1-1/2" x 3-1/4"



No. 18331	No. 33197	No. 18330
1-1/2" x 3-5/8"	1-7/8" x 2-3/8"	2" x 4-5/8"



No. 33241	No. 33351	No. 00654
1-11/16" x 3-3/8"	2" x 3-1/4"	15/32" x 1-5/16"
\$2.50 each	\$6.75/ 3 (\$2.25)	

Finials-Brass



No. 17671	No. 17672	No. 19758	No. 19759
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No. 17670	No. 17669	No. 32837
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High quality. Polished finish.

No. 17671 1"H x 5/8"D	\$8.50
No. 17672 1-7/8"H x 15/16"D	\$13.00
No. 19758	..... 1"H x 1/2"D	\$8.00
No. 19759	..... 1-1/2"H x 3/4"D	\$9.50
No. 17670	..... 3"H x 1"D	\$18.00
No. 17669	..... 4-1/4"H x 1-3/4"D	\$22.00
No. 32837	..... 4-1/2"H x 1-7/8"D	\$23.50

Cast Acorn Finials



Brass finish. Length shown does not include mounting screw which is affixed. India.

No. 33710 .. 32mm Dia. x 52mm Tall **\$8.50**
No. 33711 ...48mm Dia. x 74mm Tall **\$13.00**

Brass Case Finial-Closeout



Cast. 1-9/16" tall x 9/16" diameter. 3/4" diameter base. Threaded for M3 mounting screws, not provided. **Was \$12.50.**

No. 33184 **\$5.00 each**

Pillar & Scroll Finial



Cast brass with unthreaded mounting hole. 3-3/8" tall x 1-1/4" diameter.

No. 29530 **\$27.50 each**

Case Finials-Closeout



Set of 4. Cast brass. 1-1/8" tall x 3/8" diameter. Threaded for M3 mounting screws, not provided. **Was \$18.00.**

No. 33183 **\$6.00 set**

Clock Parts: Case Parts Handles

Clock Handle



Brass plated cast handle with mounting screw. **No. 19767** 1-5/8" Tall x 2" Wide **\$14.50**

Carriage Clock Handles



Brass. With mounting posts and screws.

No. 29681 Rounded Handle - Fits 54mm Center-to-Center Mounting **\$11.50 each**

No. 29682 Rectangular Handle - Fits 53mm Center-to-Center Mounting **\$12.50 each**

Clock Parts: Case Parts Hangers & Related

School Clock Hanger



Heavy duty plated steel. 13/16" wide x 1-3/4" tall. 3 countersunk mounting holes.

No. 29396 **\$2.25 each**
19

Clock Parts: Case Parts Hangers & Related

Morbier Movement Shelf



NEW

5-7/8" high x 8-7/8" wide x 7-7/8" deep. Blackened 3mm (.118") thick steel scrolled shelf for mounting Morbier movements to the wall.

No. 34062 \$18.50 each

Clock Hanger-Large



For large clocks. Heavy plated steel hanger has countersunk holes. 4" x 1-1/2".

No. 12237 \$3.25 each

Clock Hangers



No. 12235



No. 12236

Plated steel. Countersunk mounting holes.

No. 12235 1-7/8" #2 Regulator \$2.25

No. 12236 1-5/8" Banjo \$2.25

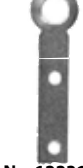
Clock Hangers-Plated Steel



No. 12230



No. 12232



No. 12231



No. 12233



No. 12234

No. 12233 1-1/4" Tall
No. 12234 1-1/2" Tall
No. 12230 1-1/2" Tall
No. 12231 1-7/8" Tall
No. 12232 1-7/8" Tall
50¢ each \$4.20/ 12 (35¢)

Clock Hanger 10 Piece Assortment

2 pieces each of 5 hanger sizes above.

No. 32396 \$3.00 pack

Small Clock Hanger Assortment



12 pieces. Brass and steel. 3/4" to 1-1/2". India.
No. 32802 \$3.00 pack

Movement Mounting Bracket & Washer- Closeout



Used on some German movements. Slotted knurled head M3 screw measures 1-3/16" long with 3/4" of thread. Bracket is 1/4" W x 1-1/2" D. Both have black oxide finish. **Was \$5.00.**

No. 01231 \$2.50 each
20

Movement Mounting Screw & Washer



Generic. Can be used on many clocks. China.
No. 32903 M2.8 x 40mm Phillips Flat Head Zinc Plated Screw 50¢ each
No. 32929 .. 13/16" W x 2-1/4" L x 1/8" T Zinc Plated Mounting Washer \$1.50 each

Movement Mounting Screws



No. 19828

No. 18325 No. 33219

No. 18326 No. 33220

No. 20988 No. 33221

No. 20989

No. 20860

Mounts movements in brackets. M3 diameter Fits Hermle and other movements. Steel.

No. 18325 29mm Overall 22mm Thread

No. 18326 39mm Overall 32mm Thread

No. 20988 46mm Overall 22mm Thread

No. 20989 61mm Overall 32mm Thread

\$1.50 each

Brass screws.

No. 33219 ... M2.5 x 25.5mm Overall 14.5mm Thread Length \$2.25

No. 33220 ... M3.5 x 32.0mm Overall 20.0mm \$2.50

No. 33221 ... M3.5 x 46.5mm Overall 32.0mm \$2.50

Movement Mounting Washer

Fits Hermle and other movements.

No. 19828 5/8" x 2" \$1.50 each

13/16" round convex steel washer.

No. 20860 \$1.00 each

Movement Mounting Screw/Washer Assortment

12 pieces include 2 each of all 4 steel screws and 2 washers listed above.

No. 32461 \$13.50 pack

5/8" x 2" Movement Mounting Washer

NEW



Brass plated steel. For Hermle movements and others. Top hole is 3.75mm. Side holes are 3.0mm.

No. 33544 \$2.00 each

Clock Parts: Case Parts Heads-Ornamental

Lion Heads-Cast



No. 23630



No. 10756

Sold individually. Finishing required.

No. 23630, 1-1/2" Tall No Ring \$3.00 each

Sold in pairs. Finishing required.

No. 10756 2-5/8" Tall \$11.00 pair

Lion Head



Cast brass. 1-5/16" ring. 1-7/8" tall x 1-5/8" wide. With a 1-1/4" long screw for mounting.

No. 23927 \$8.50 each

Cast Ornaments

No. 11659

No. 11658

No. 11657



No. 11660



No. 11661



No. 29393

Requires finishing.

No. 11659 1-7/8" Tall Head \$4.00

No. 11658 2-3/16" Tall Head \$4.25

No. 11657 2-9/16" Tall Head \$4.50

No. 11660 .. 4-7/8" Long Plaque \$4.50

No. 11661 5" Plaque W/Head \$4.50

No. 29393 ... 7-5/8" Plaque W/Head \$5.50

Decorative Head For Ansonia Capitol



Unfinished. Cast. 3-1/4" high x 2" wide.

No. 18271 \$11.00 each

Clock Parts: Case Parts Hinges

Cabinet Door Hinges

NEW

Brass plated steel. Used on floor and wall clock cases and other fine furniture. Dimension shown is overall length. China.



No. 33735



No. 33734



No. 33736

No. 33735 1-5/8" (41mm) \$3.00 each

No. 33734 2-7/8" (73mm) \$4.00 each

No. 33736 2-1/8" (54mm) \$3.00 each



No. 33739



No. 33737



No. 33738

No. 33739 2-3/16" (55.5mm) \$3.00 each

No. 33737 .. 2-1/2" (63.5mm) \$3.25 each

No. 33738 .. 3-1/4" (82.5mm) \$4.00 each



NEW

No. 33740 9/16" (14mm) \$2.00 each

Strap Hinges-Closeout



Brass plated. For cases, doors, boxes, etc. **Was \$1.50.**

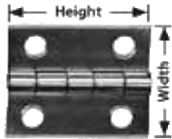
No. 01061 1/2" x 15/16" 50¢ each

Clock Parts: Case Parts Hinges



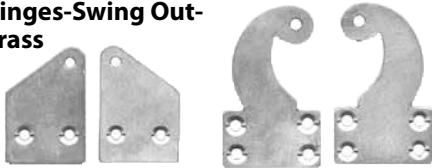
No. 01062 1/2" x 1-9/16" **50¢ each**

Door Hinges-Brass Plated



No. 10417	5/8" Height	3/4" Width	
No. 15520	1" Height	3/4" Width	
No. 32120	7/8" Height	1" Width	
No. 19731	1" Height	1" Width	
\$1.25 each	\$12.00/ 12 (\$1.00)		
No. 32121	1"H	1-3/8"W	\$1.50
No. 32122	1"H	1-7/8"W	\$1.75
No. 23929	1-1/4"H	1-1/2"W	\$1.50
No. 23930	1-1/2"H	1-1/2"W	\$1.75

Hinges-Swing Out-Brass



No. 12725

No. 12724

Two in a set. Complete with screws.

No. 12725 .. 1-1/8" Long 3/4" Wide **\$4.00 set**
No. 12724 .. 1-7/16" Long 7/8" Wide **\$4.00 set**

Clock Parts: Case Parts Hooks & Latches

Door Hooks



Brass plated door hooks.

No. 10412	3/4" Long	
No. 10411	1" Long	
No. 19738	1-1/4" Long	
No. 19739	1-1/2" Long	
50¢ each	\$4.80/ 12 (40¢)	

Door Hook Eyes



Brass plated.

No. 10402	1/2" Long	40¢ each
No. 24682	3/4" Long	40¢ each

Door Hook & Eye Assortment

2 pieces each of above hooks (3/4", 1", 1-1/4" and 1-1/2") and eyes (1/2" and 3/4").

No. 13556 14 Pieces **\$4.00 pack**

Steel Seatboard Hooks



Used to hold down movements in "OG", grandfather, Ithaca, and other clocks.

No. 10409	#4-40 Thread	2-1/2" Long
No. 18389	#6-32 Thread	2-7/8" Long
No. 10410	#8-32 Thread	3-5/8" Long
		\$2.50 each

Bezel Latch-Wood



NEW

For school clocks and long drop regulators. 1.67" L x .470" W. .385" high end height .385" tapering to .180". With recessed .135" through hole for affixing a mounting screw. Stain to suit.

No. 33979 **\$3.00 each**

Bezel Latch-Seth Thomas #2



Brass bezel latch and catch.

No. 23110 **\$3.50 set**

Cuckoo Clock Back Door Latch



No. 20639 Steel 3/4" Long
40¢ each **\$3.00/ 12 (25¢)**

Door Latch-Kitchen Clock



Brass.

No. 10617	5/16" x 1-1/4"	\$1.25 each
No. 12180	7/16" x 1-5/8"	\$1.25 each

Door Latches



No. 12178

No. 29051 No. 29052 No. 29053

No. 12179 No. 23744

Fits American and European clocks. Shaft length shown.

No. 12178	Brass 1-1/2" L- "OG" Clock
No. 29051	Brass 3/8" L-School Clock
No. 29052	Brass 9/16" L-School Clock
No. 29053	Brass 3/4" L-School Clock
No. 12179	Brass 1" L-School Clock
No. 23744	Pewter 9/16" L-School Clock
\$3.00 each	\$8.25/ 3 (\$2.75)

Clock Parts: Case Parts Knobs & Pulls

Barometer Set Knob



Brass set knob. 3mm shaft.

No. 23087 **\$5.00 each**

Knobs & Pulls



5/8" diameter x 1/2" tall. With a machine screw and an adapter screw. Brass.

No. 30982 **\$3.00 each**



1/2" diameter x 3/4" brass pull. India.

No. 32310 **\$2.75 each**

Cast Door Knobs-Closeout



No. 00459



No. 00460

Bright brass finish. Mounting screw affixed. **Was \$2.00.**

No. 00459 .. 5/8" Dia. x 3/32" thick **\$1.00**

No. 00460 .. 5/8" Dia. x 1/8" thick **\$1.00**

NEW



No. 33969 has brass finish. **No. 33970** has bronze finish. Mounting screw included.

No. 33969 .. 3/4" Dia. x 3/4" thick **\$4.00**

No. 33970 .. 3/4" Dia. x 3/4" thick **\$4.00**

Door Knob-Carriage Clock



Brass. 1/4" head. M2.0 x 10mm.

No. 18454 **\$6.00 each**

Door Pull



Cast zinc. Antique finish. 3.5mm unthreaded mounting hole. For floor and wall clocks. 1-3/8" wide x 1-3/16" tall. China.

No. 29337 **\$3.50 each**

Clock Parts: Case Parts Locks, Keys & Related

Door Lock-#2 Regulator



1" wide x 2-1/4" tall. With catch.

No. 12181 **\$7.50 each**

Door Lock-Cabinet Catch & Strike



NEW

Brass plated steel. Used on floor and wall clock case and other fine furniture. China.

No. 33745 . 15/16" W x 1-9/16" L **\$3.25**

No. 33744 1-1/16" W x 2" L **\$3.50**

No. 33743 . 1-5/16" W x 2-5/16" L **\$3.75**

No. 33742 1-7/16" W x 2-3/4" L **\$4.00**

Door Lock & Key Sets



Narrow lock for grandfather clocks. Fits left or right hand doors. 13/16" W x 2-3/4" T x 5/16" D. Key style may vary. China.

No. 23928 . Gun Metal Finish **\$8.00 set**

No. 33749 Nickel Finish **\$8.00 set**

Key Only-Brass 1-11/16" Long

No. 29309 **\$3.50 each**

Door Lock-Closeout



Nickel. 13/16" W x 2-3/4" T x 5/16" D. With extended key) sleeve to fit 7/8" and thicker doors. Standard Howard Miller keys (#29309, #23933 or #23934 will open this lock (not included). **Was \$4.00.**

No. 01299 **\$2.00 each**

Clock Parts: Case Parts Locks, Keys & Related

Door Lock



Plated steel. 3/4" W x 2-5/16" L. Used on floor and wall clocks and other fine furniture. #33727 key fits these locks. #33974 comes with a lock plate. China.

No. 33741 Dull Brass **\$5.00 each**
No. 33974 Bright Brass **\$5.50 each**



No. 29264 Blackened steel. 2" long x 1" wide x 5/16" deep. **\$6.50 set**
No. 29265 Brass plated. 1-3/4" long x 1" wide x 3/8" deep. With 1" diameter keyhole cover. **\$5.00 set**

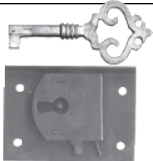
Door Lock & Key Sets



Blackened steel. 1-1/4" W x 2-1/2" L x 11/32" D. Fits left or right hand doors.
No. 32926 **\$8.50 set**



Brass with matching key. 1-11/32" W x 3" L x 11/32" D. Fits left or right hand doors.
No. 32925 **\$7.50 set**



1-3/4" x 2-7/16" x 7/16" D. Steel lock. Brass key.
No. 15846 **\$9.25 set**

Door Lock-Terry



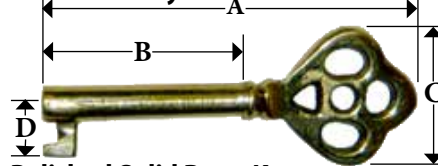
Brass door lock and brass key
No. 23745 1-5/8" T x 7/8" W **\$6.50 set**
Steel door lock and brass key.
No. 10758 1-5/8" T x 7/8" W **\$6.50 set**
Terry Brass Key Only
No. 11229 1-5/16" Long **\$4.00 each**

Bullet Catch & Spring Loaded Strike

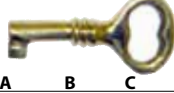


No. 15818 5/16" Dia. **\$1.00 each**
22

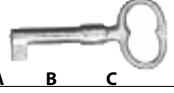
Door Lock Keys



Polished Solid Brass Keys



No. 23932 1-7/16" 9/16" 11/16" 3/16" **\$3.00**



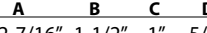
No. 19329 1-5/8" 5/8" 27/32" 7/16" **\$4.50**



No. 23933 2-5/16" 1" 1-1/8" 5/16" **\$3.25**



Also used on Howard Miller clocks.



No. 23934 2-7/16" 1-1/2" 1" 5/16" **\$3.25**



No. 10015 2-3/8" 1-3/4" 3/4" 5/16" **\$3.25**



No. 23936 2-7/16" 1-3/8" 1" 3/8" **\$3.25**



No. 23938 3-1/4" 1-1/2" 1-3/8" 3/8" **\$4.50**

Brass Finished Cast Keys



No. 23939 2-1/2" 1-1/2" 3/4" 3/8" **\$4.25**

Statuary Bronze Finish Keys



No. 23940 2-1/8" 1-1/2" 5/8" 3/8" **\$2.50**



No. 33727 2-7/8" 1-1/8" 1-15/16" 5/16" **\$4.00**



No. 33863 2-15/16" 1-5/8" 1-11/32" 7/16" **\$4.00**

Howard Miller Style Door Key



Brass plated. Fits many Howard Miller grand-father clocks and others. 1-11/16" long. China.
No. 29309 **\$3.50 each**

Door Key Assortment



Set of 12 keys for door locks bound on a 2" ring. Different styles and finishes.
No. 31071 **\$24.00 set**

Key Hole Escutcheon- Cast Brass



No. 12727 2-3/8" T x 7/8" W **\$4.50**
No. 12728 ... 3-3/8" T x 15/16" W **\$4.50**
No. 12729 3-1/8" T x 1" W **\$4.50**

Escutcheon

Cast zinc. For floor and wall clocks and other fine furniture. China. **NEW**



5-1/8" long x 7/8" wide.
No. 29560 Brass Plated **\$4.50 each**
No. 33725 Bronze Plated **\$4.50 each**

Brass Insert Keyhole Escutcheon

No. 33726 5-3/8" L x 3/4" W **\$5.50 each**

NEW

No. 33726 5-3/8" L x 3/4" W **\$5.50 each**

NEW

Brass Insert Keyhole Escutcheon

Used to protect wood cases from keys.

No. 15730 Cast 11/16" Tall **\$3.00**

No. 15731 .. Stamped 13/16" Tall **\$2.00**

NEW

No. 15731 .. Stamped 13/16" Tall **\$2.00**

Keyhole Escutcheon

Stamped .020" brass. 9/16" diameter with 2 prongs for easy insertion into wood.

No. 32787 **\$1.00 each**

NEW

No. 32787 **\$1.00 each**

NEW

No. 32787 **\$1.00 each**

Tassels

Key Not Included

NEW

No. 20376 Black

No. 29419 Burgundy

No. 29421 Dark Red

No. 29055 Forest Green

No. 20379 Gold

No. 20381 Oyster (Ivory)

\$3.00 each \$8.25/3 (\$2.75)

3 Piece Tassel Assortment

4" and 4-1/2" tassels in discontinued and current colors (no choice). Imported.

No. 32481 **\$7.50 pack**

NEW

No. 32481 **\$7.50 pack**

Clock Parts: Case Parts Lux & Keebler

Lux Bluebirds



Brightly painted metal. 1-1/4" long.

No. 11600 Facing Left **\$2.50 each**

No. 11599 Facing Right **\$2.50 each**

Lux Love Birds



Brightly painted metal. 5/8" long.

No. 11686 **\$5.75 pair**

Lux Reindeer



Plastic. 1-7/8" long.

No. 11684 **\$4.25 each**

Clock Parts: Case Parts Resin, Brass & Plastic Ornaments

Resin Case Decoration

Resin cast parts with a brown finish. England. **Corner**



No. 29981 1-7/8" **\$2.25**

Heads



No. 29975 ... 1-1/2" W x 2-1/4" T **\$6.25**



No. 29974 ... 1-3/4" W x 2-1/2" T **\$6.00**

Horse



No. 29962 . 6-1/4" W x 6-5/8" T **\$21.50**

**A Complete List Of
Clearance Items Can Be
Viewed Online At
www.timesavers.com**

Rounds & Rosettes



No. 29990 15/16" **\$2.00**



No. 29988 1" **\$2.00**



No. 29987 1-3/16" **\$2.00**



No. 29994 1-5/16" **\$2.00**



No. 29993 1-3/8" **\$4.50**



No. 29989 1-7/8" **\$3.50**



No. 29991 2" **\$3.00**

Squares



No. 29984 1" **\$2.00**

Stamped Case Ornament-Closeout



Aluminum. Antique gold. 1-7/8" wide x 7/8" tall. Affix with glue. **Was \$2.50.**

No. 00494 **\$1.00 each**

Stamped Case Ornament-Closeout



Aluminum. Antique gold. 1-3/4" wide x 2-1/8" tall. Affix with glue. **Was \$2.50.**

No. 00500 **\$1.00 each**

Stamped Case Ornament- Closeout



Antiqued brass. 1-9/16" W x 1-3/8" T x .047" thick. Affix with glue. **Was \$3.00.**

No. 01307 **\$1.50 each**

Stamped Case Ornament- Closeout



Antiqued brass. 4" W x 1-7/16" T x .050" thick. Affix with glue. **Was \$4.50.**

No. 01306 **\$2.00 each**

Stamped Case Ornament-Closeout



Antiqued brass. 1-1/8" square x .035" thick. Affix with glue. **Was \$3.00.**

No. 01308 **\$1.50 each**

Stamped Case Ornament-Closeout



Antiqued brass. 1-1/8" square x 1/8" thick x .098" deep. Affix with glue. **Was \$3.00.**

No. 01310 **\$1.50 each**

Stamped Case Ornament-Closeout



Antiqued brass. 1-13/32 W x .098" T. Affix with glue. **Was \$3.00.**

No. 01311 **\$1.50 each**

Stamped Square Case Ornament- Closeout



Aluminum. Antique gold. 1-3/16" square. Affix with glue. **Was \$2.50.**

No. 00496 **\$1.00 each**

Stamped Square Leaf Case Ornament-Closeout



Antiqued brass. 1-3/16" square. Affix with glue. **Was \$3.00.**

No. 00498 **\$1.50 each**

Stamped Square Flower Case Ornament-Closeout



Antiqued brass. 1-3/8" square x 9/32" T. Affix with glue. **Was \$5.00.**

No. 01358 **\$2.00 each**

Stamped Square Flower Petal Case Ornament-Closeout



Bronze finished brass. 1-15/16" dia. x .275" deep. With hole to hang or affix with glue. **Was \$4.00.**

No. 01315 **\$2.00 each**

Round Case Ornament- Closeout



Beautiful detail. Convex shape. 1-1/4" dia. x .100" deep. Stamped .032" brass. Glue to affix. **Was \$4.00.**

No. 01300 **\$1.50 each**

Clock Parts: Case Parts Resin, Brass & Plastic Ornaments

Stamped Brass Paterae



Beautiful detail. Used on tall case clocks and others. Stamped brass.

No. 29959 1-1/2" Dia. **\$9.25 each**
No. 29960 1-5/8" Dia. **\$9.50 each**
No. 29961 2" Dia. **\$9.75 each**

Stamped Round Case Ornament 4-Piece Set-Closeout



3/4" diameter x 1/16" thick with 2 polished 3/16" brass strips against a black surface. 4 pieces per set. Great for decorating deco and modern mantel and desk clocks. Affix with glue. **Was \$5.00.**

No. 00501 **\$2.50 set**

Milled Sunburst Round Case Ornament 4-Piece Set-Closeout



Brass. Self-adhesive. Unusual brass grooved deco edge design and center sunburst pattern reflect light and shimmer when viewed from different angles. On a black background. .850" D x .079" T. Affix with glue. **Was \$12.00.**

No. 01309 **\$6.00 set**

Cast Cherub Case Ornament- Closeout



Antique brass finish. 2"W x 1-1/2"T x 3/8" deep. Affix with glue. **Was \$4.50.**

No. 01313 **\$2.00 each**

Cast Fleur De Lys Case Ornament- Closeout



Bright brass finish. 2 mounting nails affixed. 1-5/8" T x 1-1/2" W x 1/4" thick. **Was \$7.50.**

No. 00458 **\$3.00 each**

Brass Star



Stamped. 7/8" diameter x 1.8" deep.

No. 32795 **\$1.00 each**

Stamped Brass Rosette



1/2" Diameter.

No. 24644 **\$1.00 each**
24

Cast Brass Ornament- Closeout



Cast brass. Shell design. Use as a top or side. 4-1/8" legs. Total height is 2-7/8". Span is 5-5/8". Germany. **Was \$15.00.**

No. 33216 **\$5.00 each**

Case Ornament- Plastic Top-Closeout



2-3/16" tall x 4-3/4" span. Antique gold finish. Affix with glue. **Was \$3.00.**

No. 00716 **\$1.00 each**

Brass Label Plates



No. 32691



No. 32693



No. 32694



No. 32695

Stamped brass. Ideal for engraving. **No. 32691** has false screw heads for appearance. Glue or nail to mount.

No. 32691 3/4" H x 1-7/8" L x .020" T **\$1.75**

No. 32693 1-1/16" H x 1-1/2" L x .063" T **\$2.50**

No. 32694 1-7/16" H x 2-1/4" L x .090" T **\$4.00**

No. 32695 1-1/16" H x 2-9/16" L x .055" T **\$6.00**

Clock Parts: Case Parts Side Arms

Ansonia Side Arms-Cast



1-3/16" wide x 3" long. Unfinished. Sold in pairs. **No. 19937** **\$16.00 pair**

Ansonia Side Arms-Cast



Unfinished. Used on mantel clocks. With a screw and mounting nut. **No. 29115** **\$8.00 each**

Ansonia Side Clapper-Large



Used on some Ansonia statue clocks. 6" long cast pot metal. 1-1/2" wide. With pivot. Ready to finish. Sold individually.

No. 32834 **\$8.50 each**

Ansonia Urn Side Arms-Cast



No. 20270



No. 20271

Unfinished. Used on the sides of Ansonia statue urns. Sold in pairs.

No. 20270 1-1/2" Tall **\$8.00 pair**

No. 20271 3-1/4" Tall **\$11.00 pair**

Mantel Clock Side Arms-Cast



No. 20262



No. 20263

Finishing required. Sold individually.

No. 20262 3-1/4" Tall **\$4.50 each**

No. 20263 3-9/16" Tall **\$5.50 each**

Clock Parts: Case Parts Stabilizers

Ansonia Clock Stabilizer



Brass plated. 1-13/16" long.

No. 23412 **\$1.00 each**

Wall Stabilizer



1-3/8" long brass screw. 1-7/8" brass plate.

No. 19585 **\$3.50 each**

Vienna Regulator Wall Stabilizers



No. 23746

No. 23747

Cast brass plates with screws for regulators and others. Sold in pairs.

No. 23746 . 1-5/8" long plate and 1-1/8" long screw **\$13.00 pair**

No. 23747 ... 1-3/4" long plate and 3/4" long screw **\$14.50 pair**

Wall Stabilizers



No. 10415

No. 10420

Steel stabilizers with knurled brass knobs. Sold individually. 1-7/8" long plate.

No. 10415 1-1/4" Screw **\$4.00 each**

No. 10420 1-1/2" Screw **\$4.25 each**

Wall Stabilizers



No. 18327
7/8" Screw

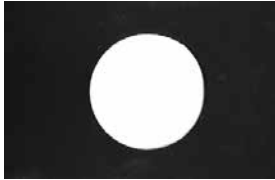
No. 18328
1" Screw

Brass head screws. 1-9/16" long steel plates. Sold individually.

\$2.50 each **\$4.50/ 2 (\$2.25)**

Clock Parts: Case Parts Wood Components

Mantel Clock Backboard



Wood. 14" x 8" with a 4-7/8" hole. 1/4" thick.
No. 14718 **\$6.00 each**

Shelf Kit



Embossed oak. Ready to finish. Use as a clock shelf or replace missing or damaged store regulator bottoms. 16-1/2" W x 4-1/4" D.
No. 14712 **\$41.50 each**

Kitchen Clock Base Kit-Embossed



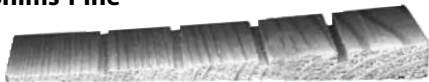
Embossed oak. 14-1/2" x 5-1/8". Pre-cut sections. Trim to fit. Assembly and staining required
No. 23144 **\$32.50 each**

Store Regulator Crown



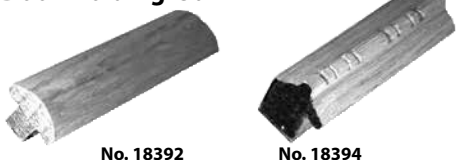
Embossed oak. Replace missing or damaged crowns or use as a base for kitchen clocks. 16" W x 4-1/4" D.
No. 14711 **\$32.50 each**

Shims-Pine



4-3/8" long by 1" wide. Tapers from 5/16" to 1/16" thick. 12 in a pack.
No. 14719 **\$5.50 pack**

Door Molding-Oak




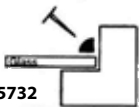
Use to make school and kitchen clock doors. Both are 3/4" wide x 2' length. Unfinished.
No. 18392 School Clock **\$6.00**
No. 18394 .. Embossed Kitchen Clock **\$8.00**

Door Strip-Wood



12 in a pack. 1/4" x 1/8" X 12".
No. 14720 **\$5.50 pack**

Door Liners

No. 15733  **No. 15732** 
Rubber liner reduces glass installation problems in cabinet doors. Prevents breakage. 10-foot roll.
No. 15733 **\$4.50 roll**
Flexible plastic liner reduces glass installation problems. Prevents breakage. 1/4" round profile. Install with brads or staples. 10-foot roll.
No. 15732 **\$4.00 roll**

Wood Peg For English Dial Clocks

No. 29953 
No. 29954 
No. 17733 
Tapered wood pegs.
No. 29953 2-9/16" Long
No. 29954 2-9/16" Long
No. 17733 3" Long
\$4.50 each \$12.75/3 (\$4.25)

Wood Case Ornaments

All pressed wood ornaments are 5/32" thick. Turned wood rosettes are 9/16" thick. All are oak (except as indicated) and easily stained.
Round Oak



No. 23946 1" **\$2.25 each**
No. 23947 1-1/4" **\$2.50 each**
Square Oak



No. 23958 1-3/16" **\$4.00 each**
Turned Oak



No. 23950 1-1/4" **\$2.75 each**
No. 23951 Maple 2" **\$3.75 each**
Corner-Walnut



2-1/2" leaf design. 1/4" thick. Unfinished.
No. 31087 **\$4.50 each**

Vienna Head Pieces

Hardwood head pieces require final sanding and finishing. Measurements are at the widest point. Final styles may vary.



No. 23623 .. 9" **\$30.00 each**
No. 23753 . 12" **\$30.00 each**



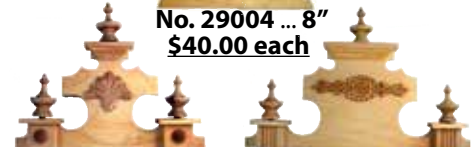
No. 23626 . 11" **\$30.00 each**



No. 23627 . 12" **\$32.50 each**
No. 23628 . 14" **\$42.50 each**
No. 23754 . 14" **\$42.50 each**
No. 23755 . 16" **\$45.50 each**



No. 29004 ... 8" **\$40.00 each**



No. 29304 . 12" **\$32.50 each**
No. 29698 . 12" **\$33.50 each**
No. 29305 . 14" **\$33.50 each**
No. 29697 . 16" **\$42.50 each**



No. 29759 . 12" **\$32.50 each**
No. 29760 . 14" **\$33.50 each**

Vienna Top Mounting Block



Used to mount Vienna tops to cases.
No. 29493 **\$5.00 each**

Clock Parts: Chelsea Material

Exclusive Genuine Chelsea Material



Chelsea #06505. Slotted RH Reflector Screw. #3-48 x 1/2", silver plated. 3 in a pack. Used on all brass cased clocks.
No. 24626 **\$5.50 pack**



Chelsea #1378. Dial Foot (Grasshopper). Secures dial plate to movement. 3 in a pack.
No. 24627 **\$3.00 pack**



Chelsea #7347. Canon pinion for 12E movement. Use on 12 or 24-hour dials.
No. 24629 **\$5.00 each**
25

Clock Parts: Chelsea Material



Chelsea part #01105. Minute wheel assembly. Used on 75% of 12-hour 12E movements (black phenolic military cased clocks).

No. 24630 **\$8.00 each**



Chelsea number unknown. Scarce dial screw used on many smaller boudoir, car and chiming clocks. Slotted flat head. Shank diameter .047" x 7/64" long. Silver plated. 12 pack.

No. 24631 **\$10.00 pack**



Chelsea part #75 Brass ratchet wheel. 24 teeth. 17mm diameter.

No. 32845 **\$4.50 each**

Chelsea Click Springs



No. 32686

No. 32687

Chelsea number unknown. Brass. The only difference is in which side the pin is set.

No. 32686 Left Hand **\$7.50 each**

No. 32687 Right Hand **\$7.50 each**

Chelsea Case Screws For Chelsea Black Case



#5-40 x 3/8" stainless steel slotted flat fillister head screws. 3 in a pack.

No. 33552 **\$5.00 pack**

Chelsea Dial To Back Plate Screws



Used on most Chelsea and Seth Thomas clocks. #1-72 x 1/8" stainless steel slotted flat head screws. 3 in a pack.

No. 33553 **\$5.00 pack**

Chelsea Thrust Spring



Used on E-12, M-1 and other clocks.

No. 33554 **\$15.00 each**

Chelsea Platform Escape Wheel



Used on E-12, M-1 and other clocks.

No. 33555 **\$10.00 each**
26

Chelsea Platform Regulator



With curb pins. Fits many platforms (E-12, MK-1, E-16, E-17, etc.).

No. 33556 **\$15.00 each**

Second Hand-Chelsea



5/8" from center of the mounting hole to tip. Brass mounting post is 5/16" long.

No. 24680 **\$14.50 each**

Setting Hand-Chelsea Fast/Slow



Used on many Chelsea movements. 7/16" from center of .072" square mounting hole to tip. 7/32" long mounting shaft. Paint as required.

No. 32359 **\$17.50 each**

A Full Range Of Chelsea Mainsprings Are Listed On Page #66

Clock Parts: Chain & Related

Fusee Chain



61" long steel chain complete with end hooks. 2.00mm thick x 3.30mm wide. China

No. 23292 **\$83.50 each**

Chain Conversion Kit



Converts rope to chain drive. Fit the old cheeks and ratchets to centers. 2 centers and 12' of chain.

No. 19504 **\$52.50 kit**

Generic Chain For Atmos Clocks



Bright gold filled 3" chain (Atmos #3491).

No. 22880 **\$7.50 each**

Decorative Chain



Twisted links. Brass plated. 72" lengths. Can be cut to size. China.

No. 32567 1.2mm Wire Dia **\$3.50 each**

No. 32568 1.5mm Wire Dia **\$3.75 each**

No. 32569 2.0mm Wire Dia **\$4.00 each**

Chain Hook, Ring & Stop



One set includes brass hook, ring and stop. For larger clocks. Use on Hermle and others.

No. 12321 Large size **\$3.00 set**
\$8.25/ 3 (\$2.75)

No. 32590 Small size **\$2.50 set**

Kieninger Hooks & Rings



Brass hook and ring sold as a set

No. 22986 **\$2.50 set**

Urgos Hooks & Rings



Brass hook and ring for Urgos and other movements. Sold as a set.

No. 20721 **\$2.75 set**

Cuckoo Chain Hooks & Rings-Brass



12 sets of hooks and rings in a pack.

No. 10438 1-Day

No. 19671 8-Day

\$4.00 pack \$7.50/ 2 (\$3.75)

No. 20199 (6 sets) 1-Day Antiqued
\$6.00 pack

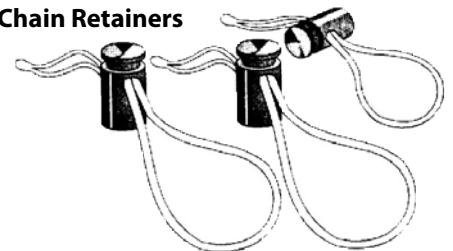
Cuckoo Chain Hook-Old Style



7/8" tall old style formed steel weight hook.

No. 30983 **\$2.00 each**

Chain Retainers



Keeps chains from slipping off wheels during service. 3 to a pack.


















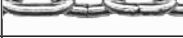


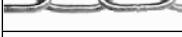




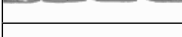



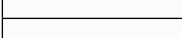



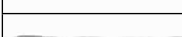

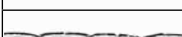
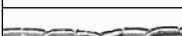





No. 19456 **\$14.00 pack**

Heavy Duty Clock Chain-Closeout



Brass plated clock chain is sold by the foot. Specify how many feet you want to order. 2.50mm wire diameter x 21 links per foot. Germany. **Was \$3.75. While supplies last.**

No. 01302 **\$2.00 per foot**

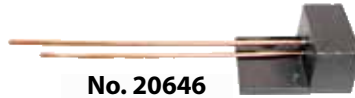
Clock Parts: Chain							NOTE: Chain may be brass or brass plated except as noted						
	Part #	Wire Dia.	Links Per Foot	Length	Price Each	Price Each for 2 Pieces	Shown Actual Size	Part #	Wire Dia.	Links Per Foot	Length	Price Each	Price Each for 2 Pieces
	No. 19610	0.70mm	66	70"	\$4.00	\$3.75		No. 23182	1.50mm Antique Brass	46	70"	\$13.50	\$13.25
	No. 19611	0.70mm	72	70"	\$4.00	\$3.75		No. 19628	1.50mm	46	70"	\$12.50	\$12.25
	No. 01030	0.70mm	74	72"	\$4.00	NEW \$3.75		No. 18735	1.60mm For Kieninger & Jauch	38	70"	\$11.50	\$11.25
	No. 19612	0.90mm Hubert Herr / 1-Day	59	78"	\$8.50	\$8.25		No. 33747	1.60mm	38"	72"	\$9.50	NEW \$9.25
	No. 19613	0.90mm Regula #25 / 1-Day Brass Plated	61	70"	\$4.00	\$3.75		No. 32106	1.60mm For Hermle & Others	43	72"	\$11.50	\$11.25
	No. 23178	0.90mm	61	78"	\$4.75	\$4.50		No. 29398	1.60mm For Kieninger SK Movements	45	58-1/2"	\$11.50	\$11.25
	No. 23177	0.90mm Antique Brass	61	70"	\$5.00	\$4.75		No. 19913	1.60mm	46	55"	\$11.00	\$10.75
	No. 01543	1.05mm	48	78"	\$5.00	NEW \$4.75		No. 19915	1.70mm Antique Brass	46	55"	\$11.50	\$11.25
	No. 23179	1.05mm	52	70"	\$6.50	\$6.25		No. 15889	1.70mm For Hermle #241, #451, #461, #1151, #1161 Brass	47	57"	\$12.50	\$12.25
	No. 29635	1.20mm	38	72"	\$8.00	\$7.75		No. 32100	1.70mm For Hermle #241, #451, #461, #1151, #1161 Brass	47	72"	\$13.50	\$13.25
	No. 19616	1.20mm	43	70"	\$8.25	\$8.00		No. 33748	1.80mm	39"	72"	\$10.50	NEW \$10.25
	No. 23180	1.20mm Antique Brass	47	70"	\$8.50	\$8.25		No. 19926	1.80mm Fits Urgos UW03	40	63"	\$16.00	\$16.75
	No. 23181	1.20mm	48	86-1/2"	\$10.00	\$9.75	Ladder Chain						
	No. 19614	1.20mm Regula #34 / 8-Day Brass Plated	48	70"	\$4.50	\$4.25		No. 19284	0.90mm Ladder Chain / Stainless Steel	65	72"	\$18.00	\$17.75
	No. 19355	1.20mm Regula #34 / 8-Day Antique Brass	48	78"	\$9.00	\$8.75		No. 10805	1.00mm Ladder Chain / Brass Plated	65	72"	\$13.00	\$12.75
	No. 20004	1.20mm Regula #34 / 8-Day Brass	48	78"	\$10.00	\$9.75		No. 32117	1.20mm Ladder Chain / Brass Plated Steel	39	72"	\$13.50	\$13.25
	No. 19622	1.30mm Hubert Herr / 8-Day	45	70"	\$13.00	\$12.75		No. 10806	1.20mm Ladder Chain / Brass Plated Steel	42	72"	\$13.50	\$13.25
	No. 29636	1.35mm	38	72"	\$9.00	\$8.75		No. 10807	1.35mm Ladder Chain / Brass Plated Steel	34	72"	\$14.50	\$14.25
	No. 19625	1.35mm	49	70"	\$9.00	\$8.75	Steel Tall Case Chain						
	No. 19288	1.35mm For Hermle #261	46	70"	\$17.50	\$17.25		No. 23497	1.60mm Steel Chain	42	144"	\$17.50	\$17.25
	No. 33746	1.40mm	40.5	72"	\$9.00	NEW \$8.75		No. 23499	1.80mm Steel Chain	33	144"	\$17.50	\$17.25
	No. 32107	1.40mm	44	72"	\$11.00	\$10.75		No. 23498	1.80mm Steel Chain	36	144"	\$17.50	\$17.25

Clock Parts: Chime Units

Quality import chime units. All have cast iron bases with either copper or steel chime rods. All units on this page have screw-in rods.



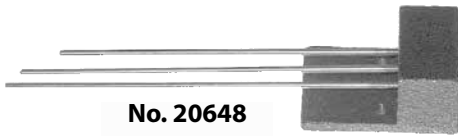
No. 20645



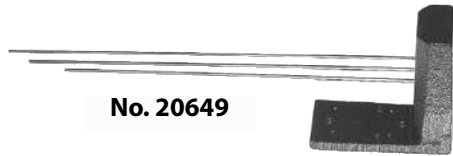
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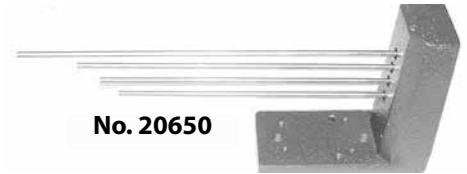
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No. 20648



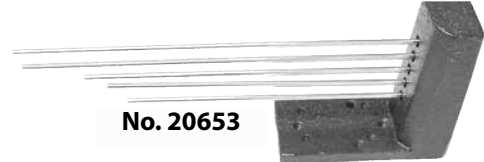
No. 20649



No. 20650



No. 20652



No. 20653



No. 20654



No. 32178

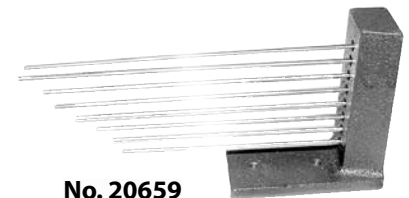


No. 20655



No. 20656

Note:
*Does not include mounting hardware.
Please see Part Number 21063 on Page #49.*



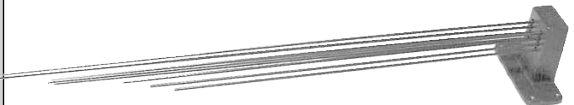
No. 20659



No. 20660



No. 29546



No. 20661



No. 32653

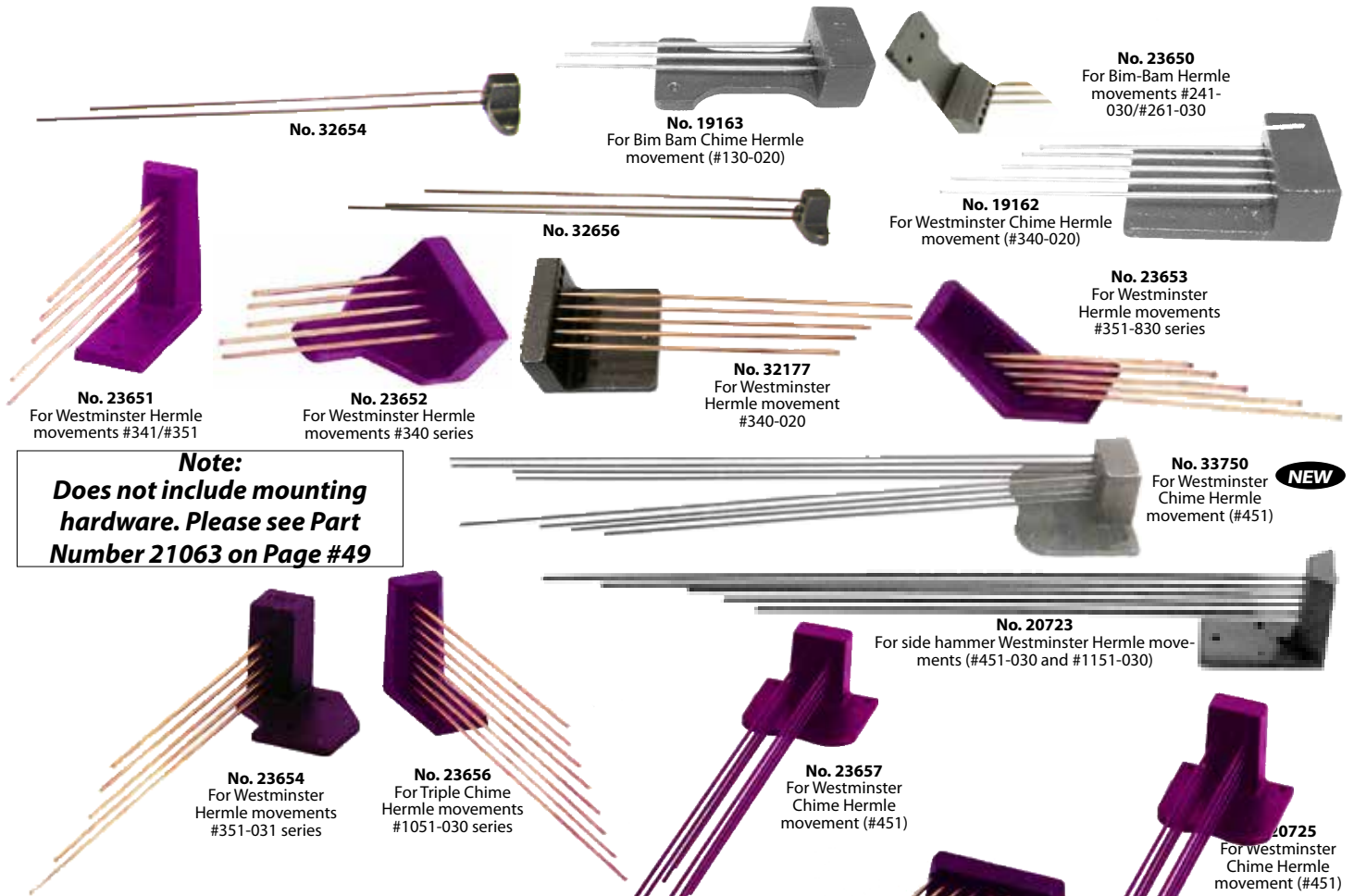


No. 20662

Part #	# Of Rods	Longest Rod	Base Style	Rod Material	Chime Played	Price
No. 20645	1	13-3/4"	Horizontal	Copper	Strike	\$15.00
No. 20646	2	7"	Vertical	Copper	Bim Bam	\$18.00
No. 20647	2	13-1/2"	Vertical	Copper	Bim Bam	\$18.50
No. 20648	3	6-1/2"	Horizontal	Copper	Bim Bam	\$22.00
No. 20649	3	9-3/4"	Vertical	Copper	Bim Bam	\$22.50
No. 20650	4	7"	Vertical	Copper	Westminster	\$24.50
No. 20652	5	7-1/4"	Horizontal	Copper	Westminster	\$26.00
No. 20653	5	7-1/2"	Vertical	Copper	Westminster	\$26.50
No. 20654	5	9-1/4"	Vertical	Copper	Westminster	\$27.00
No. 20655	5	10-3/4"	Horizontal	Copper	Westminster	\$27.50
No. 32178	5	13-1/2"	Horizontal	Copper	Bim Bam	\$28.00
No. 20656	5	13-3/4"	Horizontal	Copper	Westminster	\$28.50
No. 20659	8	7"	Vertical	Copper	Westminster	\$41.00
No. 20660	8	13-1/4"	Horizontal	Copper	Westminster	\$42.00
No. 29546	8	22-1/2"	Vertical	Steel	Westminster	\$42.50
No. 20661	8	27"	Vertical	Steel	Westminster	\$49.50
No. 32653	12	22-1/2"	Vertical	Steel	Triple Chime	\$57.50
No. 20662	12	27"	Vertical	Steel	Triple Chime	\$62.50

Clock Parts: Chime Units

Imported chime units for Hermle and others. All have cast iron bases with either copper or steel chime rods. All chime units have screw-in or press-fit chime rods. **No. 19161, No. 19162** and **No. 19163** have screw-in chime rods.



Note:
Does not include mounting hardware. Please see Part Number 21063 on Page #49

Part #	# Of Rods	Longest Rod	Base Style	Rod Material	Chime Played	Price
No. 32654	2	15-3/4"	Vertical	Steel	Bim/Bam	\$8.00
No. 19163	3	5-3/4"	Horizontal	Copper	Bim/Bam	\$18.50
No. 23650	3	10"	Horizontal	Copper	Bim/Bam	\$19.50
No. 32656	3	19-3/4"	Vertical	Steel	Bim/Bam	\$15.00
No. 19162	5	6-1/4"	Horizontal	Copper	Westminister	\$23.50
No. 23651	5	7-3/4"	Vertical	Copper	Westminister	\$24.50
No. 23652	5	7-3/4"	Horizontal	Copper	Westminister	\$24.50
No. 32177	5	9-3/4"	Horizontal	Copper	Westminister	\$31.50
No. 23653	5	11-3/4"	Vertical	Copper	Westminister	\$40.00
No. 23654	5	13-1/2"	Vertical	Copper	Westminister	\$32.50
No. 20723	5	20-3/4"	Vertical	Steel	Westminister	\$33.00
No. 19161	8	7-1/8"	Horizontal	Copper	Westminister	\$37.50
No. 23655	8	7-3/4"	Horizontal	Copper	Westminister	\$37.50
No. 23656	8	13"	Vertical	Copper	Westminister	\$43.00
No. 23657	8	19-3/4"	Vertical	Steel	Westminister	\$44.00
No. 33750	8	26"	Vertical	Steel	Westminister	\$46.00
No. 20725	8	26-1/2"	Vertical	Steel	Westminister	\$47.50
No. 20726	8	26-3/4"	Vertical	Steel	Westminister	\$48.50
No. 20727	12	26-3/4"	Vertical	Steel	Triple Chime	\$58.00
No. 23658	12	26-3/4"	Vertical	Steel	Triple Chime	\$58.00

Clock Parts: Chime Rods & Sets

Taps & Tap Drills For Gong Bases



For drilling and tapping cast iron gong bases when installing new chime rods.

For 6.5mm Chime Rods

No. 18971	5.4mm Tap Drill	\$4.50
No. 18969	6.5mm x 1 Tap	\$12.50
No. 29856	M6.5x1.0 Die	\$15.00

Chime Rod-Copper-Threaded



7-3/8" long. 2.5mm rod diameter, 6.5mm thread diameter India.

No. 17736 \$3.00 each

Chime Rod-Copper-Threaded

NEW



6.5mm thread diameter.

No. 12199 .. 12" Long	2.4mm Rod Dia.
No. 12201 .. 12" Long	2.8mm Rod Dia.
No. 20640 .. 14" Long	2.8mm Rod Dia.
No. 12202 .. 26" Long	3.3mm Rod Dia.
\$6.50 each \$18.75/3 (\$6.25)	

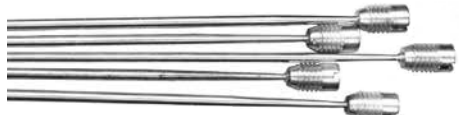
Chime Bar Protector



12" wide x 12" long bubble. Slide between rods of chime bar assembly for protection.

No. 23777 50¢ each

Tuned Chime Rod Sets-Threaded



Unmounted sets of tuned chime rods. The size listed is the longest rod in the set. No. 20642 has 2.8mm diameter rods. All other sets have 3.6mm diameter rods.

	Length In.	Thread Dia.	
4 Rod Set Tuned Westminster-Copper			
No. 20642	10	6.50mm	\$24.00
4 Rod Sets Tuned Westminster-Steel			
No. 20643	20	6.50mm	\$25.50
No. 12223	22	6.50mm	\$26.00
No. 12224	26	6.50mm	\$26.50
No. 12225	26	8.00mm	\$27.00
5 Rod Sets Tuned Westminster-Copper			
No. 20644	7	6.50mm	\$29.00
No. 12226	8	6.50mm	\$29.50
8 Rod Sets Tuned Westminster			
No. 23846	8 Copper	6.50mm	\$38.00
No. 18406	26 Steel	6.50mm	\$45.00
8 Rod Set Tuned Triple Chime-Steel			
No. 19791	17-1/4	6.50mm	\$47.00
No. 18746	22-1/2	6.50mm	\$48.00
12 Rod Set Tuned Triple Chime-Steel			
No. 32105	26	6.50mm	\$65.00
30			

Chime Rods-Steel-Threaded



Replacement rods have 6.50mm thread diameter end fittings.

	Rod Diameter	Length In.
No. 12212	3.30mm	14
No. 12213	3.30mm	15
No. 12214	3.30mm	15.5
No. 12215	3.30mm	16
No. 12216	3.30mm	17
No. 12217	3.30mm	18
No. 12218	3.30mm	19
No. 12219	3.30mm	20
No. 12220	3.30mm	21
No. 12238	3.30mm	24
No. 12221	3.30mm	25
No. 12222	3.30mm	26

No. 12203	3.60mm	14
No. 12204	3.60mm	15
No. 12205	3.60mm	16
No. 12206	3.60mm	17
No. 12207	3.60mm	18
No. 12208	3.60mm	19
No. 12209	3.60mm	20
No. 12210	3.60mm	24
No. 12211	3.60mm	26
\$7.00 each		\$20.25/3 (\$6.75)

No. 20641	3.60mm	29
\$8.00 each		\$23.25/3 (\$7.75)

8.00mm Thread diameter.

No. 12200	3.30mm	26
No. 18405	3.60mm	26
\$8.00 each		\$23.25/3 (\$7.75)

Clock Parts: Clicks, Clicksprings & Pallets

Click Assortment-18 Piece



2 pieces each of 9 different clicks. Includes Ansonia (small and medium movements), Gilbert, Ingraham, New Haven, Sessions, S. Thomas (old and new) and Waterbury.

No. 29496 \$7.50 pack

Click Assortment



12 American style clicks for Ansonia, Waterbury, Seth Thomas and others.

No. 12399 \$5.50 pack

Click Assortment



Assortment of 50 brass clicks and rivets.

No. 19583 \$10.00 pack

Click



Nickered carriage clock click. 1/2" long.

No. 24642 \$2.00 each

Clicks-Grandfather



No. 12721 1" Span-Small \$4.50 each

No. 12720 .. 1-3/16" Span-Large \$4.50 each

Clicks-Hermle



No. 11615

No. 11616

Fits Hermle and other movements.

No. 11615 3/4" Long \$1.50 each

No. 11616 19/32" Long \$1.50 each

Click-Schatz #53-Closeout



For #53 movement. 1/2" long. Was \$2.00.

No. 00256 Part #46-6 \$1.00 each

Click Springs All stop tabs shown are on the back edge. Springs shown approximate size.



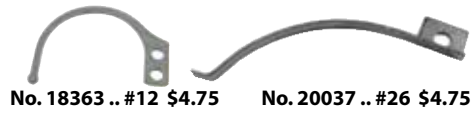
No. 16684 .. #1 \$4.75

No. 20036 .. #2 \$5.50



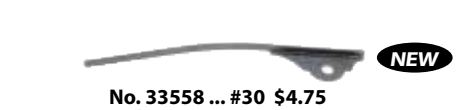
No. 18754 .. #4 \$4.75

No. 18362 .. #10 \$4.75

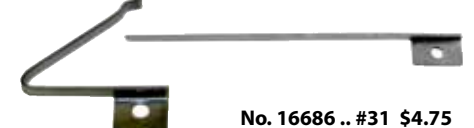


No. 18363 .. #12 \$4.75

No. 20037 .. #26 \$4.75

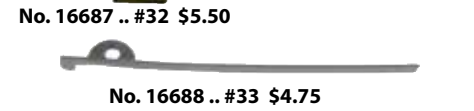


No. 33558 ... #30 \$4.75

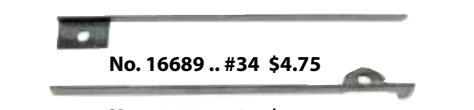


No. 16687 .. #32 \$5.50

No. 16686 .. #31 \$4.75



No. 16688 .. #33 \$4.75



No. 16689 .. #34 \$4.75

No. 16690 .. #35 \$4.75



No. 33559 .. #50 \$4.75 No. 33561 .. #61 \$4.75



No. 33562 .. #65 \$4.75

No. 33563 .. #63 \$4.75

Clock Parts: Clicks, Clicksprings & Pallets



No. 16691 .. #75 \$5.50 No. 16692 .. #76 \$5.50



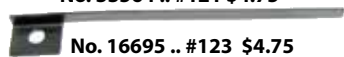
No. 32688 .. #84 \$4.75 No. 32689 .. #85 \$4.75



No. 16694 .. #116 \$5.50 No. 16693 .. #116B \$5.50



No. 33564 .. #121 \$4.75



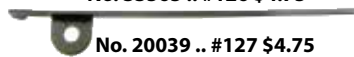
No. 16695 .. #123 \$4.75



No. 16696 .. #124 \$4.75



No. 33565 .. #126 \$4.75



No. 20039 .. #127 \$4.75



No. 20040 .. #128 \$4.75



No. 20814 .. #129 \$4.75



No. 20041 .. #157 \$5.50 No. 20042 .. #158 \$5.50



No. 18756 .. #194 \$4.75 each

Click Spring Assortment



12 assorted popular springs in a pack.
No. 18379 \$44.50 pack

Click Spring Assortment



Handy assortment of 33 popular sizes and styles of clicksprings in a plastic box. India.
No. 32838 \$43.50 pack

Click Spring-Carriage Clock



No. 29746 \$2.50 each

Click Springs-Chelsea



No. 32686

No. 32687

Brass. The only difference is in which side the pin is set.

No. 32686 Left \$7.50 each

No. 32687 Right \$7.50 each

Click Springs-Hermle

Fits Hermle and other movements.



No. 20861 (27/32")



No. 19282 (29/32")

No. 11617 (1-1/32")



No. 15890 (2-7/16")

\$1.00 each

Click Spring 12 Piece Assortment

3 pieces each of 4 different click springs above.

No. 32347 \$11.00 pack

Click Spring-Great Wheel



Brass with two pin feet. 2-3/4" long.

No. 18892 \$4.50 each

Click Springs-Junghans Swinger



No. 32910 0.97" \$6.50 each

Click Springs-Mercedes (Kiefer)-Closeout



For 8-day German movements. Was \$5.00.

No. 01587 \$2.00 each

Click Springs-Kieninger



No. 18736 1-1/16" \$4.50 each



No. 19855 1-3/8" \$4.50 each

Click Spring-Mainwheel



Used to put tension on clicks.

No. 10535 \$3.00 each

Click Spring-Schatz #53-Closeout



For Schatz movements. Was \$5.00.

No. 00254 .. Part #46-8 (53) \$2.50 each

Click Spring-Seth Thomas #2

NEW



Used on Seth Thomas #2 movements.

No. 33714 \$4.75 each

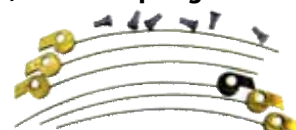
Clicks, Rivets & Springs



6 clicks, rivets and springs. 3 left and 3 right. For American clocks.

No. 10581 \$5.00 pack

Clicks, Rivets & Springs



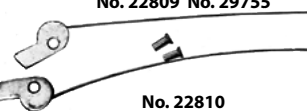
3 each of left and right assemblies. Longer than #10581 at 3-1/4" long with clicks that have a different head configuration. India.

No. 30495 \$5.00 pack

Clicks, Rivets & Springs



No. 22809 No. 29755



No. 22810



No. 20430

No. 20432

No. 20431

No. 22727

No. 22808

No. 20433

Brass clicks, formed springs and rivets. 2 of each in a pack. Can use on other movements.

No. 20430 .. Ansonia (Medium) \$4.00 set

No. 22727 ... Ansonia (Small) \$4.00 set

No. 22809 Gilbert \$4.00 set

No. 29755 Ingraham \$4.00 set

No. 20433 New Haven \$4.00 set

No. 22810 Sessions \$4.00 set

No. 20431 .. S. Thomas (New) \$4.00 set

No. 22808 S. Thomas (Old) \$4.00 set

No. 20432 Waterbury \$4.00 set

Click Spring Wire



10 in a pack. .035" diameter

No. 16979 \$2.50 pack

Gathering Pallets



No. 10532



No. 10533

Nickel plated brass.

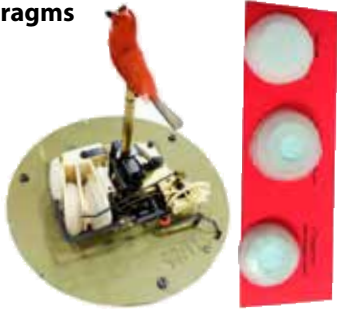
No. 10532 Left

No. 10533 Right

\$21.00 each \$41.50/2 (\$20.75)

Clock Parts: Cuckoo Material

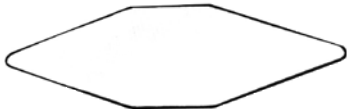
Singing Bird Cage Replacement Diaphragms



3 flexible silicon diaphragms fit many singing bird cages. Includes one each of the 1st diaphragm with windpipe indent, end cap, and center diaphragm with washer. Instructions are included. We recommend photos and notes be taken prior to and during disassembly to insure correct re-assembly.

No. 32418 **\$24.00 set**

Bellows Forms-Pre-Cut



Pre-cut bellows material for repairing bellows tops. Sold individually.

	Length	x	Width	
No. 17413	For 37mm	x	29mm	\$1.25
No. 17414	For 44mm	x	29mm	\$1.25
No. 17415	For 44mm	x	33mm	\$1.50
No. 17416	For 50mm	x	33mm	\$1.50
No. 17417	For 56mm	x	33mm	\$1.50
No. 17418	For 60mm	x	40mm	\$1.75

Bellow Forms 12-Piece Assortment

2 pieces each of 6 different sizes above.

No. 32397 **\$12.50 pack**

Bellows Material



12" x 12" sheets for covering bellows.

No. 20168 **\$3.50 sheet**

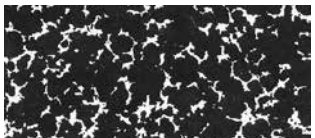
Bellows Material-Leather



Approximately 30 square inches for covering bellows tops. Thickness varies.

No. 18936 **\$15.00 each**

Paper Bellows Covers Non-Stick



5-3/4" x 13-3/8" black and yellow paper.

No. 19387 **\$6.00 each**
32

Old Style Trapezoidal Bellows



Restore older cuckoo clocks with replacement bellows. Back opening. Sold in pairs.

Cloth Covers

No. 18210	6-1/8" Tall	\$43.50 pair
No. 18211	6-1/2" Tall	\$43.50 pair
No. 18212	6-3/4" Tall	\$46.50 pair

Leather Covers

No. 18207	6-1/8" Tall	\$54.00 pair
No. 18208	6-1/2" Tall	\$54.00 pair
No. 18209	7" Tall	\$58.00 pair

Horizontal Bellows



One horizontal and vertical bellows sold in pairs.

Vertical bellows is 4-1/8" long. The horizontal bellows is 2-1/2" long. Both are side opening.

No. 18410 **\$18.00 set**

Vertical bellows is 4-3/8" long and back opening. Side opening horizontal bellows is 2-3/4" long.

No. 18411 **\$18.50 set**

Cuckoo Clock Bellows



Cuckoo bellows are sold in pairs except for the quail bellows. The size listed is the overall length including the top.

No. 10445 2-3/4" Quail Bellows
\$12.00 each (one piece)

No. 17409 2-5/8" 1/4 Hour Horizontal
\$21.50 pair

No. 17401 3-1/8" Back Opening

No. 17402 3-1/8" Side Opening

\$11.50 pair

No. 17403 3-1/4" Back Opening

No. 17404 3-1/4" Side Opening

\$12.00 pair

No. 10443 3-3/4" Back Opening

No. 10444 3-3/4" Side Opening

\$12.50 pair

No. 10441 4-3/8" Back Opening

No. 10442 4-3/8" Side Opening

\$13.00 pair

No. 10446 5-1/4" Back Opening

No. 10447 5-1/4" Side Opening

\$13.50 pair

No. 17405 6" Back Opening

No. 17406 6" Side Opening

\$25.00 pair

No. 10439 6-3/8" Back Opening

No. 10440 6-3/8" Side Opening

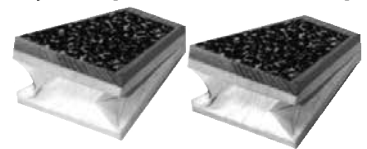
\$25.50 pair

No. 17407 6-3/4" Back Opening

No. 17408 6-3/4" Side Opening

\$26.00 pair

Old Style Trapezoidal Bellows Tops

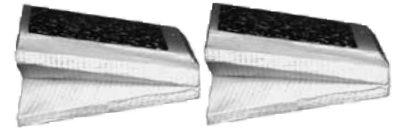


Restore older cuckoo clocks with these. 2-1/4" long x 2" wide tapering to 1".

No. 18203 Cloth **\$20.00 pair**

No. 18204 Leather **\$30.00 pair**

Bellows Tops



Pairs. 8 day tops have heavier weight inserts.

Length **Width**
37.0mm x 29.0mm

No. 10451 1 Day 1-1/2" x 1-1/8"

44.0mm x 29.0mm

No. 17410 1 Day 1-3/4" x 1-1/8"

44.0mm x 33.0mm

No. 10450 1 Day 1-3/4" x 1-1/4"

44.0mm x 33.0mm

No. 17710 8 Day 1-3/4" x 1-1/4"

\$7.50 pair \$21.75/ 3 (\$7.25)

\$84.00/ 12 (\$7.00)

50.0mm x 33.0mm

No. 17411 1 Day 2" x 1-1/4"

50.0mm x 33.0mm

No. 17683 8 Day 2" x 1-1/4"

56.0mm x 33.0mm

No. 10449 1 Day 2-1/4" x 1-1/4"

56.0mm x 33.0mm

No. 17684 8 Day 2-1/4" x 1-1/4"

\$8.00 pair \$23.25/ 3 (\$7.75)

\$90.00/ 12 (\$7.50)

60.0mm x 40.0mm

No. 10448 1 Day 2-3/8" x 1-5/8"

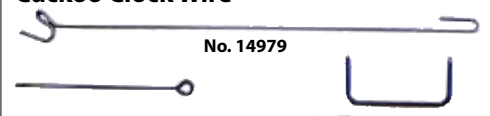
60.0mm x 40.0mm

No. 17412 8 Day 2-3/8" x 1-5/8"

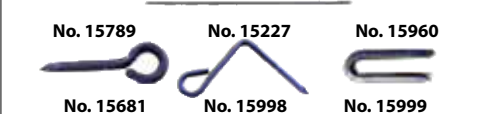
\$9.50 pair \$27.75/ 3 (\$9.25)

\$108.00/ 12 (\$9.00)

Cuckoo Clock Wire



No. 14979



No. 15789

No. 15227

No. 15960

No. 15681

No. 15998

No. 15999

No. 14979 .. 4-115mm Lift Wires **\$1.50 pack**

No. 15789 ... 6-38mm Bird Wires **\$1.50 pack**

No. 15227 6-60mm Bellow Wires **\$1.50 pack**

No. 15960 12-Door Hinges **\$1.00 pack**

No. 15681 6-Loop Wires **\$1.50 pack**

No. 15998 8-Ring Nails **\$1.50 pack**

No. 15999 12-U Nails **\$1.00 pack**

Cuckoo Clock Wire Assortment



32 assorted ring wires, lift wires, bellow wires, hinge wires, locking wires and door clamps.

No. 11209 **\$6.00 each**

Clock Parts: Cuckoo Material

Cuckoo Bellows Wire

8" long wire used for bellows and other uses on cuckoo clocks. .048" diameter.

No. 19354 50¢ each

Cuckoo Bellows Lift Wire

No. 23511	2-1/4"
No. 23512	2-1/2"
No. 23513	2-11/16"
No. 23514	2-7/8"
No. 23515	3-1/16"
No. 23516	3-1/4"
No. 23517	3-7/16"
No. 23518	3-9/16"
No. 23519	3-3/4"
No. 23520	4-1/8"
No. 10437	4-15/16"
No. 33545	6"

75¢ each \$6.00/ 12 (50¢)

Cuckoo Bouncing Doll Spring

1-3/4" long.

No. 10460 \$2.00 each

Cuckoo Clock Birds

No. 10457 3" Long
No. 10458 3-1/4" Long
Grey/white plastic with mounting hardware.
No. 10457 \$2.25 each \$6.00/3 (\$2.00)
No. 10458 Moveable Wings \$14.00 each

Cuckoo Clock Bird-Novalty

Blue and white plastic bird is 1-1/8" long.
No. 17717 50¢ each

Cuckoo Clock Bird-Wood

3-5/8" long with metal mount.
No. 17716 \$5.50 each

Wood Cuckoo Bird

Hand painted. Grey body and reddish head.
3-3/4" long. With metal mounting hardware.
No. 31031 \$12.50 each

Cuckoo Bird Mounting Post

Bend to shape. Complete with return spring.
No. 20765 6" Long \$3.00 each
No. 20766 9" Long \$3.25 each

Old style post use on many older models.

No. 01619 6" Long \$3.00 each

Cuckoo Bird Mounting Post-Closeout

Was \$5.00.

No. 01613 10-7/8" Long \$2.50 each

Spring Only

No. 20915 50¢ each

Cuckoo Clock Back Doors

Walnut stained wood back covers with the appropriate size gong and base.

No. 20305 4-1/8"W x 4-3/8"T \$19.00
No. 20306 4-3/4"W x 5-1/8"T \$20.00
No. 20307 5-1/4"W x 5-5/16"T \$21.00
No. 20308 6"W x 6-1/4"T \$23.00

Cuckoo Clock Doors-Wood

3/4" Wide x 1" Tall
No. 17759 Brown 75¢ each
No. 17760 Green \$1.25 each
No. 19468 Unfinished 75¢ each
15/16" Wide x 1-3/8" Tall
No. 17761 Brown \$1.00 each
No. 17762 Green \$1.50 each
No. 19469 Unfinished \$1.00 each
1-3/16" Wide x 1-5/8" Tall
No. 17763 Brown \$1.25 each
No. 17764 Green \$2.00 each
No. 19470 Unfinished \$1.25 each

Cuckoo Clock Door Assortment

12 assorted.

No. 12398 \$12.00 pack

Deer Heads-Unfinished Wood

Hand carved deer heads with plastic eyes.

	Ear To Ear Distance	Height	
No. 10524	2-1/4"	2-1/2"	\$19.50
No. 29131	2-3/8"	3"	\$21.50
No. 10525	2-7/8"	3-1/2"	\$24.00
No. 10526	3-1/4"	4-1/2"	\$27.50

Deer Eyes

Dark amber plastic deer eyes. Sold in pairs.

No. 24709 2mm Diameter \$2.25 pair
No. 24710 3mm Diameter \$2.25 pair
No. 24711 4mm Diameter \$2.25 pair
No. 24712 5mm Diameter \$2.50 pair
No. 24713 6mm Diameter \$2.50 pair
No. 24715 8mm Diameter \$2.75 pair
No. 24716 9mm Diameter \$3.00 pair
No. 24717 10mm Diameter \$3.00 pair

Cuckoo Clock Deer Antlers-Plastic

Size listed is center of post to tip length.

No. 15957 2-1/2" Long \$4.00 pair
No. 10521 3-1/4" Long \$5.00 pair
No. 29172 4" Long \$6.50 pair
No. 10522 4-1/2" Long \$8.00 pair

Antlers-Hand Carved Wood

Size listed is post to tip length. Unfinished.

No. 18456 2-1/2" \$14.50 pair
No. 23765 3" \$15.50 pair
No. 23766 4-3/4" \$29.50 pair

Cuckoo Clock Dancing Couple

No. 33191 is brightly painted wood. No. 10543 is unfinished wood.
No. 33191 1-1/2" Tall \$10.50 pair
No. 10543 1-3/8" Tall \$5.50 pair

Cuckoo Clock Figures

Brightly painted plastic figures.
No. 10541 Sitting Man 3/4"T \$3.50
No. 10542 Bouncing Doll 2-1/4"T \$3.50

Cuckoo Clock Music Figures

Set of 4 brightly colored hand painted wood figures. Tallest is 2-1/4".

No. 20237 \$23.50 set

Cuckoo Clock Horn & Mouthpiece Sets

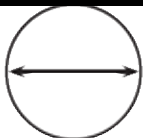
Brown. Size shown is horn diameter.

No. 17420 1-1/8" 28mm \$6.25 set
No. 17421 1-3/8" 35mm \$6.50 set
No. 17422 1-5/8" 42mm \$6.75 set
No. 17423 2-3/16" 55mm \$8.00 set
Unfinished. Size shown is horn diameter.
No. 19471 1-1/8" 28mm \$6.00 set
No. 19472 1-3/8" 35mm \$6.25 set
No. 19473 1-5/8" 42mm \$6.50 set
No. 19474 2-3/16" 55mm \$7.75 set
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Clock Parts: Cuckoo Material

PCuckoo Clock O-Rings

Measurement indicates
diameter



Black rubber. Durometer reading of 70A. Dimensions shown are OD and thickness.

	Dia.	x Thick	
No. 20770	2-3/8"	x 1/16"	\$1.25 each
No. 19320	3-1/8"	x 1/16"	\$1.50 each
No. 19321	3-5/8"	x 1/16"	\$2.00 each

No. 20768	1-5/8"	x 3/32"	\$1.00 each
No. 20769	2-5/8"	x 3/32"	\$1.50 each

No. 24673	1-1/4"	x 1/8"	50¢ each
No. 24674	2-1/4"	x 1/8"	\$1.00 each
No. 24676	3-1/2"	x 1/8"	\$1.50 each
No. 24677	5-1/2"	x 1/8"	\$2.50 each

Cuckoo Clock Top Bracket



To mount cuckoo tops. 3/8" wide x 5/8" long.
No. 15816 50¢ each
\$3.00 12 (25¢)

Cuckoo Clock Top Clip



To mount cuckoo tops on clock roofs.
No. 22917 **\$1.50 each**

Cuckoo Clock Tops-Birds



Hand carved. Sizes measured from end to end.
No. 10792 6-3/4" Brown **\$16.50**
No. 10793 6-3/4" Blonde **\$33.50**
No. 10797 6-3/4" Green **\$33.50**
No. 19475 6-3/4" Unfinished **\$15.50**

No. 33132	7-3/8"	Brown	\$17.50
No. 33133	7-3/8"	Blonde	\$17.50
No. 33134	7-3/8"	Green	\$17.50

No. 10434	8-1/4"	Brown	\$19.50
No. 10794	8-1/4"	Blonde	\$35.00
No. 10800	8-1/4"	Green	\$35.00
No. 19476	8-1/4"	Unfinished	\$18.50

No. 29254	9-1/2"	Brown	\$28.50
No. 29255	9-1/2"	Blonde	\$43.50
No. 29256	9-1/2"	Green	\$43.50
No. 29257	9-1/2"	Unfinished	\$27.50

No. 10435	10-1/2"	Brown	\$34.50
No. 10795	10-1/2"	Blonde	\$53.00
No. 10801	10-1/2"	Green	\$53.00
No. 19477	10-1/2"	Unfinished	\$33.50

No. 10436	11-1/2"	Brown	\$38.00
No. 10796	11-1/2"	Blonde	\$54.50
No. 19478	11-1/2"	Unfinished	\$37.00
No. 33155	13-3/4"	Blonde	\$20.00

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Cuckoo Clock Tops-Deer



Hand carved brown wood tops with wood deer head and brown plastic antlers. Size is measured end to end.

No. 29409	7"	\$60.00 each
No. 16930	9-1/2"	\$65.00 each
No. 16929	12"	\$85.00 each
No. 16928	14-1/2"	\$95.00 each

Dancing Platform Assembly



2-11/16" diameter with brass gearing and center arbor.

No. 33377 **\$12.50 each**

Central Wheels For Dancing Platform



Replacement central wheels with mounting brackets fit Regula 25 1-day music movements with 24mm and 41mm platforms. 58.25mm diameter.

No. 34033	For 24mm Platform	\$15.50
No. 34034	For 41mm Platform	\$15.50

Brass Crown Wheel For Dancing Platform



Used on both 24mm and 41mm Regula 25 1-day music movement dance platform assemblies. Brass. 20 teeth. 2.0mm mounting hole diameter. 12.5mm overall diameter x 3.75 overall height.

No. 34035 **\$2.50 each**

See Page #27 For The Industry's Largest Selection Of Cuckoo Chain

Black Forest Cuckoo Movements Can Be Found On Page #74

Clock Parts: Dials, Numerals & Related

Barometer Dials- Closeout



Beautifully screened brushed silver finish on aluminum with black and red lettering. Dimensions show are OD x pointer track diameter.

Was \$12.00 - \$16.00.	
No. 00727	5-1/8" x 3-7/8" TT \$6.00
No. 00728	6-3/8" x 4-7/8" TT \$8.00

Bezel, Dial, Glass Combinations



Not hinged. Must be mounted directly on the case. OD dimensions shown. Taiwan.

No. 29411	3-7/8" Arabic	\$18.50 each
No. 29412	3-7/8" Roman	\$18.50 each
No. 29413	5-1/8" Arabic	\$23.50 each
No. 29414	5-1/8" Roman	\$23.50 each
No. 29415	6-1/4" Arabic	\$25.50 each
No. 29416	6-1/4" Roman	\$25.50 each
No. 29417	7-7/8" Arabic	\$32.50 each
No. 29418	7-7/8" Roman	\$32.50 each

Bezel, Dial, Glass Combo- Closeout



Quality diamond cut brass hinged bezel with latch. 7" (180mm) edge-to-edge dimension. Convex glass cover screened ivory Roman dial. 19mm (3/8") drilled center hole measures 1-1/4" center-to-center from winding arbor hole.. Was \$45.00.

No. 01761 **\$22.50 each**

Bezel, Dial, Glass Combo-Closeout



Quality diamond cut brass hinged bezel with latch. 8-5/8" (220mm) edge-to-edge dimension. Convex glass covers screened ivory Roman dial. 19mm (3/8") drilled center hole. Was \$75.00.

No. 33150 **\$30.00 each**

Embossed Bezel & Dial Assembly



4-1/2" white dial. Embossed brass center and surround. Embossed brass hinged 5-3/4" O.D. bezel. 3/8" center hole. Winding holes can be drilled. Unit requires a 5-3/8" opening.

No. 23697	Antique Finish
No. 23696	Bright Finish
	\$20.00 each \$59.25/3 (\$19.75)

Clock Parts: Dials, Numerals & Related

Dial Pan Combinations-Economy



No. 32600



No. 32601



No. 32602

White dials on brass plated aluminum. China.

	OD	Time Track	
No. 32600	5"	4-1/4"	\$4.00
No. 32601 ..	6-3/8"	5-3/4"	\$5.00
No. 32602 ..	10-11/16"	9"	\$8.00

R & A Dial- Closeout



Excellent quality Regulator dial with polished brass bezel. Imitation porcelain numeral track and center disc. 3-15/16" time track. 3/8" center hole. Germany. **Was \$60.00.**

No. 00480 **\$25.00 each**

R & A Dials



Aluminum bezel with white dial and black numerals. Brass plated trim. 6-1/2" bezel O.D. x 5-3/4" time track. 3/8" center hole.

No. 20326	Arabic	\$8.25 each
No. 20327	Roman	\$8.25 each

R & A Dials



Roman dials on brass plated aluminum. Black numerals on a white background

	Bezel Diameter	Time Track	
No. 22703	4-7/8"	3-3/4"	\$11.50
No. 22704	5-7/8"	4-7/8"	\$12.00
No. 22705	6-1/4"	5-1/8"	\$13.00
No. 22706	7-1/16"	6"	\$14.50
No. 22726	8-3/8"	7"	\$17.50
No. 22707 ...	10-1/2"	9-1/8"	\$18.00

Porcelain-Like Dial-Closeout



Printed on extra heavy high gloss white stock. 4-1/2" time track. Black on white background. Oversized borders. **Was \$4.00.**

No. 01501 **\$1.00 each**

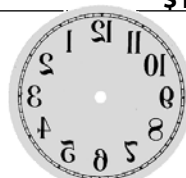
Paper Dial Assortment- Closeout



2" to 11" diameters. Plain, trademark, and calendar styles. White and ivory. 50 piece assortment. No choice of content. 25¢/dial.

No. 23723 **\$12.50 pack**

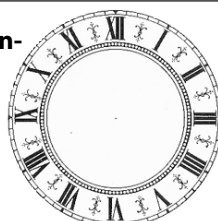
Backwards Dial-Arabic



Black numerals on a white background. 6-1/2" OD with a 5-7/8" time track.

No. 12631 5-7/8" x 6-1/2" Metal **\$4.50**

Fancy Roman- Fleur De Lys Paper Dials

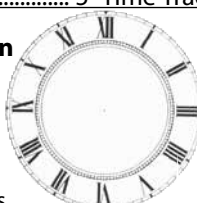


Black numerals with red Fleur de Lys markers.

	Ivory	
No. 18961	4-1/4" Time Track	\$2.00
No. 22122	4-1/2" Time Track	\$2.00

	White	
No. 18957	4-1/4" Time Track	\$2.00
No. 18959	5" Time Track	\$2.00

Fancy Roman Paper Dials



Black numerals.

No. 22128	Ivory	4-1/2" Time Track
No. 22131	White	5" Time Track

\$2.00 each

Seth Thomas Paper Mantel Dials



For Adamantine and other Seth Thomas clocks. Arabic numerals with marks at the minutes and diamonds at the hours. 4-1/2" diameter.

No. 22087	Ivory	\$1.00 each
No. 22086	White	\$1.00 each

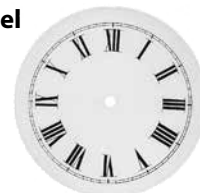
Steeple Clock Paper Dial



Printed on extra tall Ivory card stock.

No. 18975 .. 4-1/4" Time Track **\$2.00 each**

Banjo Clock Steel Dial-#5 Style



Silk screened. 7-1/2" O.D. x 6-1/4" time track.

No. 13276 **\$21.00 each**

Cuckoo Clock Dials



Brown wood with white numerals.

No. 10504	2-1/4" Dia.	60mm	\$5.00
No. 10505	2-3/4" Dia.	70mm	\$5.25
No. 10506	3-1/8" Dia.	80mm	\$5.50
No. 10507	3-1/2" Dia.	90mm	\$6.25
No. 10508	4" Dia.	100mm	\$7.25
No. 10509	4-1/4" Dia.	110mm	\$7.75
No. 18751	4-3/4" Dia.	120mm	\$12.00
No. 18752	5-1/8" Dia.	130mm	\$14.50

Round Aluminum Dials-Off White



Center hole drilled.

	Dial Dia.	Time Track Dia.	
No. 13308	4"	3-3/4" Arabic	
No. 13309	4"	3-3/4" Roman	
			\$4.00 each \$11.25/3 (\$3.75)
No. 13310	6"	5-1/2" Arabic	
No. 13311	6"	5-1/2" Roman	
			\$5.50 each \$15.75/3 (\$5.25)
No. 13312	7-3/4"	7-1/4" Arabic	
No. 13313	7-3/4"	7-1/4" Roman	
			\$6.50 each \$18.75/3 (\$6.25)

Hour Marker Aluminum Dial- Closeout



Ivory with black hour markers. 13-3/4" O.D. 12-1/2" time track. **Was \$9.50 each.**

No. 32738 **\$4.00 each**

Dial With Minute Numerals

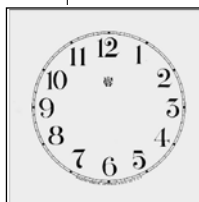


Screened aluminum. White with black Roman numeral hours and Arabic minute numbers. 14-3/16" OD with 12-3/16" time track. China.

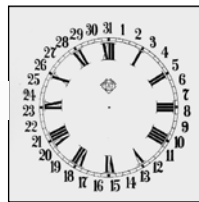
No. 32739 **\$9.50 each**
35

Trademark Paper Clock Dials

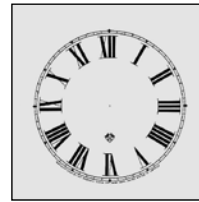
Measurements are across the time track. Calendar dials are measured across the outer date numerals. Our ivory dials have an off-white, antique appearance.



Arabic



Calendar

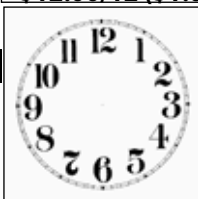


Roman

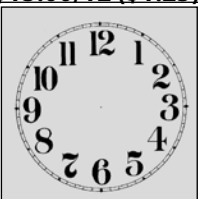
Dial Type	White 4-1/2"	Ivory 4-1/2"	White 5"	Ivory 5"	Ivory 7"	White 9"	Ivory 9"	White 11"	Ivory 11"
Ansonia Roman	No. 12608	No. 22608	No. 12481	No. 22481	N/A	N/A	N/A	No. 12400	No. 22400
Ansonia Arabic	No. 12609	No. 22609	No. 12482	No. 22482	N/A	N/A	N/A	N/A	No. 22401
Gilbert Roman	No. 12612	No. 22612	No. 12484	No. 22484	N/A	No. 22097	N/A	No. 12403	N/A
Gilbert Arabic	N/A	No. 22613	No. 12485	No. 22485	N/A	N/A	N/A	N/A	N/A
Ingraham Roman	No. 12614	No. 22614	No. 12487	No. 22487	N/A	N/A	N/A	N/A	No. 22406
Ingraham Arabic	No. 12615	N/A	No. 12488	No. 22488	N/A	N/A	N/A	N/A	N/A
Ingraham Calendar	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No. 12408	No. 22408
Kroeber Roman	No. 12610	No. 22610	No. 22102	No. 22103	N/A	N/A	N/A	N/A	N/A
Kroeber Arabic	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
New Haven Roman	No. 12616	No. 22616	No. 12490	No. 22490	N/A	N/A	N/A	N/A	No. 22409
New Haven Arabic	No. 12617	No. 22617	No. 12491	No. 22491	N/A	N/A	N/A	N/A	N/A
Sessions Roman	No. 12618	No. 22618	No. 12493	No. 22493	N/A	N/A	N/A	No. 12412	No. 22412
Sessions Arabic	No. 12619	No. 22619	No. 12494	No. 22494	N/A	N/A	N/A	N/A	No. 22413
Sessions Calendar	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No. 12414	No. 22414
Seth Thomas Roman	No. 12620	No. 22620	No. 12496	No. 22496	N/A	N/A	N/A	N/A	No. 22415
Seth Thomas Arabic	No. 12621	No. 22621	No. 12497	No. 22497	N/A	N/A	N/A	N/A	N/A
Waterbury Roman	N/A	No. 22622	No. 12499	No. 22499	N/A	No. 22115	N/A	N/A	No. 22418
Waterbury Arabic	No. 12623	N/A	No. 12600	No. 22600	N/A	N/A	N/A	N/A	No. 22419
E.N. Welch Roman	No. 12624	No. 22624	N/A	No. 22602	No. 22475	N/A	No. 22118	N/A	N/A
E.N. Welch Arabic	No. 12625	No. 22625	N/A	No. 22603	N/A	N/A	N/A	N/A	N/A
E.N. Welch Calendar	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No. 12423	N/A
\$1.25 each		\$1.50 each		\$1.75 each		\$2.00 each		\$2.25 each	
\$12.00/12 (\$1.00)		\$15.00/12 (\$1.25)		\$18.00/12		\$21.00/12 (\$1.75)		\$24.00/12 (\$2.00)	

Dials-Plain (No Trademarks)

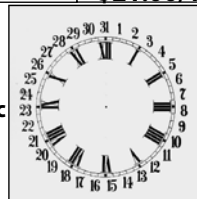
Measurements are across the time track. Calendar dials are measured across the outer date numerals.



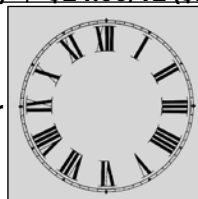
Arabic



Arabic
Ivory



Calendar



Roman

Size	Antique/ Arabic White	Antique/ Arabic Ivory	Arabic/ White	Arabic/ Ivory	Roman/ White	Roman/ Ivory	Size	Arabic/ Ivory	Roman/ White	Roman/ Ivory	Arabic/ White
	No. 22042	N/A	N/A	N/A	N/A	N/A		N/A	N/A	No. 22017	N/A
1-3/4"	N/A	No. 22049	No. 17424	N/A	N/A	N/A	5-3/4"	N/A	N/A	N/A	No. 17698
2-1/2"	N/A	N/A	No. 22024	No. 22025	No. 22006	N/A	6"	No. 27120	N/A	No. 27121	N/A
3-1/4"	N/A	No. 22057	N/A	No. 27106	N/A	No. 27107	6-1/2"	No. 22479	No. 12478	No. 22478	No. 12479
3-1/2"	No. 22058	N/A	No. 22026	No. 22027	No. 22008	N/A	7"	No. 27124	No. 17701	N/A	No. 17702
3-3/4"	No. 22060	No. 22061	N/A	N/A	No. 17429	No. 27109	7-1/2"	No. 27126	N/A	N/A	N/A
4"	No. 22062	No. 22063	No. 22028	No. 22029	No. 22010	No. 22011	8"	N/A	N/A	No. 27129	N/A
4-1/4"	No. 22064	No. 22065	No. 12627	N/A	No. 12626	No. 22626	8-1/2"	No. 27130	No. 12451	No. 27131	No. 12452
4-1/2"	N/A	No. 22067	No. 22030	No. 22031	No. 22012	N/A	9"	No. 27133	N/A	N/A	N/A
4-3/4"	No. 22068	No. 22069	No. 12606	No. 22606	No. 12605	No. 22605	10"	No. 22425	No. 12424	No. 22424	No. 12425
5"	N/A	N/A	N/A	N/A	No. 12607	No. 22607	11"	N/A	No. 12426	No. 22426	N/A
5" Calendar	N/A	N/A	No. 22032	No. 22033	No. 22014	No. 22015	11" Calendar	No. 22041	No. 22022	N/A	No. 22040
5-1/4"	N/A	No. 22071	No. 17696	No. 27116	No. 17431	No. 27117	12"				
5-1/2"	From 1-3/4" through 4-1/2"			From 4-3/4" through 7-1/2"			From 8" through 12"				
	\$1.25 each \$12.00/ 12 (\$1.00)			\$1.75 each \$18.00/ 12 (\$1.50)			\$2.25 each \$24.00/ 12 (\$2.00)				

Our ivory dials have an off-white, antique appearance

Clock Parts: Dials, Numerals & Related

Round Aluminum Dials-Ivory



Arabic		
Dial Dia.	Time Track Dia.	
No. 29147 ... 4-1/2"	4-1/8"	\$4.50 each
No. 29148 ... 6"	5-1/2"	\$6.00 each
No. 29150 ... 7-13/16"	7-1/4"	\$7.00 each
Roman		
No. 29151 ... 4-1/2"	4-1/8"	\$4.50 each
No. 29152 ... 6"	5-1/2"	\$6.00 each

Round Aluminum Dials-Brass Tone



Arabic		
Dial Dia.	Time Track Dia.	
No. 13316 4"	3-3/4"	\$4.00 each
No. 13317 4-1/2"	4-3/16"	\$11.24/3 (\$3.75)
No. 13318 6"	5-1/2"	\$4.50 each
No. 13319 6"	5-1/2"	\$12.75/3 (\$4.25)
No. 13320 7-13/16"	7-1/4"	\$6.50 each
No. 13321 7-13/16"	7-1/4"	\$18.75/3 (\$6.25)
No. 32737 11-3/4"x10-5/16"	Arabic	\$9.00

Round Aluminum Dials-White-Closeout



Screened aluminum. Black numerals. "Made in Germany" designation at dial bottom. Were \$10.00-\$12.00 each.

Arabic		
Dial Dia.	Time Track Dia.	
No. 01517 7"	5-3/4"	\$5.00 each
No. 01509 10"	8-1/4"	\$6.00 each
Roman		
No. 01518 7"	5-3/4"	\$5.00 each
No. 01519 8"	7"	\$5.50 each
No. 01510 10"	8-1/4"	\$6.00 each

Aluminum Dials-Fancy Arabic



Fancy Arabic		
Dial Dia.	Time Track Dia.	
No. 29137 ... 4-1/2"	4-1/8"	\$4.50 each
No. 29138 6"	5-1/2"	\$6.00 each

Fancy Aluminum Dial



Gold and silver dial. Black Arabic numerals. 6-3/8" diameter x 5-1/2" time track. China. No. 32606 \$6.00 each

German Box Clock Dials



Aluminum dials with black numerals. 7-3/4" dials fit our German box clock bezel on Page 8.

Brass Finish		
No. 23098 6-7/8" Arabic		\$18.00
No. 23101 7-3/4" Arabic		\$18.50
Silver Finish		
No. 23097 6-7/8" Arabic		\$19.00
No. 23100 7-3/4" Arabic		\$19.50

Phinney Walker Dial-Closeout



Phinney-Walker was a German marketing company who distributed many clocks in the 1940's-1960's. 8-3/8" diameter x 7-1/8" time track. 1/32" aluminum. Was \$10.00.

No. 33408	\$1.50 each
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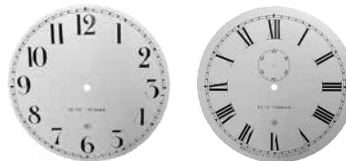
Round Steel Dials



Screened white dial. Black Roman numerals.

Dial Size	Time Track Dia.	
No. 11267 6-1/2"	5"	\$13.00
No. 11266 7"	5-1/2"	\$13.00
No. 11265 7-1/2"	5-1/2"	\$13.00

Round Steel Dials



For #2 Regulator and school clocks with logo. Off white background with black numerals.

No. 2nd Bit 11-5/8" OD x 10-7/8" Time Track	
No. 13273 Arabic	
No. 13274 Roman	
2-5/16" Center To Center of 2nd Bit	
11-5/8" OD x 10-7/8" Time Track (30-Day)	
No. 13275 Roman	

12-3/8" OD x 11-1/8" Time Track	
1-11/16" Center To Center of Second Bit	
No. 13272 Arabic	

12-3/8" OD x 11-1/8" Time Track	
1-11/16" Center To Center of Second Bit	
No. 13271 Roman	

12-3/8" OD x 11-1/8" Time Track	
1-15/16" Center To Center of Second Bit	
No. 13269 Arabic	
No. 13270 Roman	
30526	\$21.00 each

Dial Chapter Rings



No. 32597



No. 32598

Aluminum. Black Roman numerals. 5" OD (127mm) x 3-3/8" ID (85mm). China.

No. 32597 Brass Finish	\$4.00
No. 32598 Silver Finish Gold Edge	\$4.50

Dial Chapter Rings-Closeout



7-1/4" OD x 4-3/16" ID". Black Roman numerals. White background. Brass finish on edges. Was \$8.00.

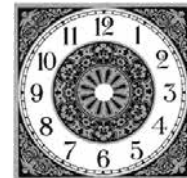
No. 33723	\$3.00 each
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9-3/4" OD x 5-7/8" ID". Black Roman numerals. Brushed silver background. "Western Germany" designation at ring bottom. Was \$14.00.

No. 01522	\$4.50 each
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Square Aluminum Dials



Brass and silver colored aluminum dials.

Dial Dia.	Time Track Dia.	
No. 13324 6"	5-1/2" Roman	\$6.00
No. 13325 7-7/8"	5-3/4" Arabic	\$7.00
No. 13326 7-7/8"	5-3/4" Roman	\$7.00

Square Metal Dial-Closeout



Brushed and etched brass center and corners. 8" square x 6-3/8" white time track. Black roman numerals. "Made in Western Germany" designation at ring bottom. Was \$15.00.

No. 01520	\$7.50 each
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Square Steel Dials



Ivory with black Roman numerals.

Dial Size	Time Track Dia.	
No. 11264 6-1/4"	5"	\$12.00
No. 11263 6-3/4"	5"	\$12.00
No. 11262 6-3/4"	5-1/2"	\$12.00
No. 33067 7"	5"	\$12.00
No. 33068 7"	5-1/2"	\$12.00
No. 11261 7-1/4"	5-1/2"	\$12.00

Clock Parts: Dials, Numerals & Related

Shaker Style Aluminum Dial



Black numerals on a cream background.
7-1/2" square dial. 6" time track.
No. 20614 Arabic **\$7.00 each**

"OG" Steel Dials



Black numerals. Off white background. Green and red corners. Pie crust center opening.
7-1/4" Time Track
No. 13278 ... 8-1/2" Square **\$14.50 each**
8" Time Track
No. 13277 ... 9-1/2" Square **\$14.50 each**

Steeple Dial- Aluminum



6-1/4" W x 8-5/8" tall with a 4-7/8" time track. Black Roman numerals. Beautifully screened in 4 colors: rose, green and black against a cream background. 5/16" pre-drilled center hole. 5 perimeter mounting holes measuring .085". West Germany. **Was \$16.50.**
While supplies last.
No. 01814 **\$5.50 each**

Steeple Dials- Steel



Black numerals. Off white background.
5-3/4" Wide x 8" Tall
No. 13280 4-1/8" Time Track **\$12.00**
6-1/2" Wide x 9-1/4" Tall
No. 13279 5" Time Track **\$12.00**

Tempus Fugit Arch Dial- Aluminum



Etched silver aluminum. 2-7/8" OD. China.
No. 32861 **\$2.00 each**

Tempus Fugit Dial-Aluminum



Brass colored. 7-7/8" square. 6-1/4" time track. 10-3/8" overall height.
No. 19429 **\$11.50 each**

Tempus Fugit Dial



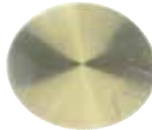
Black Roman numerals on white dial ring. 6" square. 5" time track. 8" overall height. "Made in Germany" designation at dial bottom. Brass and black color screened on aluminum.
No. 01511 **\$9.00 each**
Brass tone screened on brass.
No. 01512 **\$11.50 each**
38

Tempus Fugit Arch Dial- Closeout



6" W x 8" T x 1/32" thick. 5" time track. Brushed silver disc and chapter ring. Brass tone background. Black numerals and markers. **Was \$18.00.**
No. 33542 **\$9.00 each**

Spun Aluminum Discs-Closeout



2-5/8" diameter x .014" thick aluminum. Brass finish on one side, silver finish on the other. Use on dials, pendulums, case decorations, craft projects, etc. **Was 50¢.**
No. 00365 **20¢ each \$1.00/ 6 pieces**

Tempus Fugit Arch Dial- Closeout



Classic design with antiqued corners and spandrels applied to a highly polished thick brass plate. 200mm (7-13/16") time track and Tempus Fugit disc are brushed silver with etched black Roman numerals. The center disc is gilded with a stipple finish. With 4 rear mounting posts. 250mm x 250mm x 330mm (9-7/8" x 9-7/8" x 13" overall height). 10.8mm (.425") center hole. Center-to-center distance to bottom hole is 33.5mm (1.32"). Center-to-center distance to side holes is 56mm (2.20"). Germany. For Hermle clocks and others. **Was \$140.00.**
No. 50003 **\$65.00 each**

Tempus Fugit Arch Dial- Closeout



Classic design with antiqued corners and spandrels applied to a highly polished thick brass plate. 240mm (9-3/8") time track and Tempus Fugit disc are brushed silver with etched black Roman numerals. The center disc is gilded with a stipple finish. 4 rear mounting posts. 280mm x 280mm x 375mm (11" x 11" x 14-3/4" overall height). Selector switch slot has 2 settings: Silent and Chime. **Was \$140.00.**
No. 50006 10.8mm (.425") center hole **\$70.00**

Same as **No. 50006**, but with 4 selector switch slot settings: Silent, Winchester, Whittington and Westminster.
No. 50007 10.8mm (.425") center hole **\$70.00**

Moon Disc



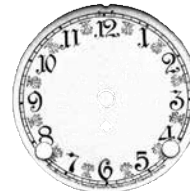
Steel disc with brass 3mm ID mounting pins. Crisp graphics. Used on 280mm x 396mm clock dials. Dark blue with gold graphics.
No. 29631 168mm Dia. **\$13.50 each**

Porcelain Dial Ring-Vienna



Fits many clocks. 5-3/8" O.D x 3-3/8" I.D.
No. 20079 **\$57.50 each**

Porcelain Dials-Ansonia Style



No. 19951



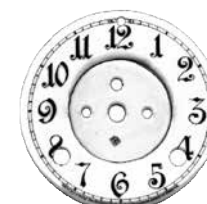
No. 19950



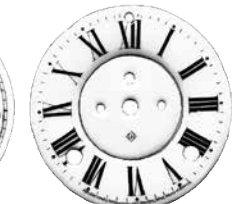
No. 20116



No. 20111



No. 20054



No. 20077

Replacements for Ansonia china clocks. Black and red Fleur De Lys on a white background. 4-1/16" OD 2-3/4" between winding arbors.
No. 19951 . 1 Piece Dial **\$45.00 each**
No. 19950 . 2 Piece Dial **\$50.00 set**
Same as above but black on white dial.
No. 20116 . 1 Piece Dial **\$45.00 each**
No. 20111 . 2 Piece Dial **\$50.00 set**

For statue clocks. 4-3/4" OD 2-3/4" between arbors. Black on white background. 2 piece set.
No. 20054 Arabic **\$57.50 set**
No. 20077 Roman **\$57.50 set**

Dial Masks



No. 32858



No. 32859

Etched aluminum. China.
No. 32858 . Silver 3-1/2" OD **\$3.50 each**
No. 32859 .. Gold 5-1/8" OD **\$4.50 each**



No. 32575



No. 32579

Beautifully etched stamped brass.
No. 32575 5-7/16" Dia. **\$6.50 each**
No. 32579 5-11/16" Dia. **\$6.00 each**

Clock Parts: Dials, Numerals & Related



No. 32577



No. 32576



No. 32578

Cast pot metal with bright brass finish.

No. 32576 5-1/2" Dia. **\$8.50 each**

No. 32577 5-7/16" Dia. **\$7.50 each**

No. 32578 5-1/16" Dia. **\$7.00 each**

Dial Adhesive



For gluing paper dials to dial pans. A light coat is all you need. Must ship ground.

No. 13725 10-1/2 oz. **\$9.50 each**

Dial Paste- Enamel-Bergeon



White enamel for repairing dials. Heat the compound on a smooth clean steel spatula until just soft. Press into chip and let cool. Razor off the excess and polish. 16 grams.

No. 18484 **\$22.50 each**

Dial Shellac Stick-Black



For filling numerals on dials. 1/2" square, 5-1/4" long. Works best at 180°C/360°F.

No. 18948 **\$10.00 each**

Winding Arbor Locator



Place over the winding arbors to properly locate movement. 5.5mm ID x 1-1/8" long.

No. 23153 **\$1.00 each**

Dial Cutter



Adjustable. Cuts circles from 2" to 16". Ideal for paper and aluminum dials. 2 blades included.

No. 13477 **\$10.00 each**

Dial Cutter Blades

Four blades to a package.

No. 13481 **\$2.50 pack**

Circle Cutter



Cuts and scores paper, cardboard, light wood, plastic, etc. Cuts precise circles up to 5.9" diameter (15cm). With 6 blades. Japan.

No. 17737 **\$13.50 each**

Dial Mounting Feet



Set of 4 nicked feet. 5mm diameter, 20mm long with tapered pins.

No. 17435 **\$9.00 set**

Dial Screw Assortment- 40 Pieces



Wood Screws. 4 each of #0, #1, #2, #3, and #4 sizes. All are 3/8" long slotted brass round and flat heads. In a labeled partitioned box.

No. 32196 **\$7.50 pack**

Dial Screw Assortment- 20 Pieces



Machine Screws. 4 each of #0, #1, #2, #3 and #4 sizes. All are 3/8" long slotted stainless steel fillister heads. In a labeled partitioned box.

No. 32197 **\$7.50 pack**

Dial Template



Positions numerals when making a clock dial. From 1-1/2" to 8" diameters.

No. 16941 **30¢ Each**

Numerals, Dots and Bars-Gold Plastic



Raised gold self-adhesive. 12 per set.

No. 10611 3/8" Arabic Numerals

No. 10612 1/2" Arabic Numerals

No. 10613 5/8" Arabic Numerals

No. 10614 3/4" Arabic Numerals

No. 10616 1" Arabic Numerals

No. 10622 5/8" Bar

No. 10623 3/4" Bar

No. 10624 1" Bar

No. 10618 1/4" Dot

No. 10619 3/8" Dot

No. 10604 3/8" Roman Numerals

No. 10605 1/2" Roman Numerals

No. 10606 5/8" Roman Numerals

No. 10607 3/4" Roman Numerals

No. 10609 1" Roman Numerals

\$1.00 set \$10.20/ 12 (85¢)

Black Plastic Roman Numerals



Black plastic roman numeral set. 42mm tall. Must be glued in place. China.

No. 32570 **\$6.00 set**

Numeral Sets

Brass finish on aluminum. China.



No. 32562 25mm Arabic **\$5.50 set**



No. 32817 20mm Arabic **\$4.50 set**

No. 32563 33mm Arabic **\$6.00 set**



No. 32561 27mm Roman **\$6.00 set**

No. 32818 42mm Roman **\$10.50 set**

Brass Numerals



Milled numeral sets. Polishing required.

No. 20939 10mm Tall **\$14.00 set**

No. 20940 12mm Tall **\$14.50 set**

No. 22630 20mm Tall **\$15.00 set**

No. 22631 25mm Tall **\$16.50 set**

No. 22632 30mm Tall **\$17.50 set**

No. 29313 40mm Tall **\$22.50 set**

No. 20941 10mm Tall **\$14.50 set**

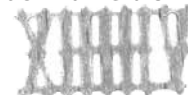
No. 22633 15mm Tall **\$16.00 set**

No. 22635 20mm Tall **\$18.50 set**

No. 22636 25mm Tall **\$21.00 set**

No. 22637 30mm Tall **\$22.50 set**

Cuckoo Clock Numerals-Wood



Complete sets of 12 wood numerals.

No. 19307 12mm Tall **\$2.00 set**

No. 19308 14mm Tall **\$2.25 set**

No. 19309 16mm Tall **\$2.50 set**

No. 19310 20mm Tall **\$2.75 set**

No. 19311 24mm Tall **\$3.75 set**

No. 19312 28mm Tall **\$4.75 set**

Clock Parts: Dials, Numerals & Related

Numerals Sets-Mission Clock



Cast lead numerals 1 through 12. Mounting nails cast in place. Finishing required.

No. 18428 1-5/8" Tall **\$16.00 set**

Antique gold finish.

No. 19916 3/4" Tall **\$16.00 set**

Numerals Set- Ansonia



Fits round ball Ansonia swinging arm clocks. 9/16" tall. 15 piece set. Gold plated.

No. 18930 **\$18.00 set**

Brass Cartouche 18mm Numeral Set- Closeout



Elegant. 12.8mm (.503") black numerals against brushed silver background. 1.6mm (.0625") thick brass. Shields measure 18mm (.709") tall x 17mm (.667") wide. Germany. **Was \$40.00.**

No. 00982 **\$20.00 set**

Brass Cartouche 30mm Numeral Set- Closeout

Elegant. 20mm (.787") black numerals against brushed silver background. 1.6mm (.0625") thick brass. Shields measure 30mm (1.118") tall x 24.0mm (.945") wide. **Was \$45.00.**

No. 33569 **\$22.50 set**

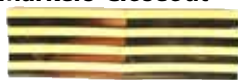
Plastic Cartouche 24mm Numeral Set- Closeout



14mm tall (approx. 9/16") black Roman numerals on 24mm shields. 2 mounting pins in back on 10mm centers (approx. .394") can be removed if necessary. **Was \$5.00.**

No. 33386 **\$2.00 set**

Numerals Markers-Closeout



Solid brass. 2.5mm (1/8") square x 40mm (1-1/2") long. Germany. 4-piece set. **Was \$2.50.**

No. 33215 **\$1.00 set**

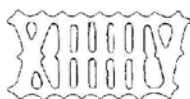
Numerals Markers-Closeout



Milled brass. Self-adhesive 4-piece set. Place at the 3, 6, 9 and 12 positions on a dial. Each strip has 4 sections. Each section measures 12mm tall x 12mm wide x 2.5mm thick (.472" x .472" x .100). The unusual grooved deco design reflects light and shimmers when viewed from different angles. **Was \$7.50.**

No. 01304 **\$3.75 set**
40

Cuckoo Clock Numerals-Plastic



Sets of 12 white plastic numerals.

No. 17432 9mm Tall **\$1.25 set**

No. 17433 11mm Tall **\$1.50 set**

No. 10513 12mm Tall **\$1.75 set**

No. 10514 14mm Tall **\$2.00 set**

No. 10515 16mm Tall **\$2.25 set**

No. 10517 20mm Tall **\$2.50 set**

No. 10519 24mm Tall **\$2.75 set**

Cuckoo Clock Numeral Assortment

7 sets of plastic cuckoo numerals I through XII. 9mm to 24mm tall.

No. 11508 **\$10.00 set**

Clock Parts: Electric Clock Material

Bulle Silver Plated Contact Spring



0.15mm wire diameter silver plated copper spring has a 4mm end loop and 2mm diameter coils. One end is attached to the end of the fork arbor, the other by a adjustable brass strip. The arbor has a silver groove in which the spring, with its large loop end, rolls on each side to side movement of the pendulum. When attaching a new spring, it must not be stretched as it will distort very easily. The straight end should be attached first and adjusted until the loop end loops over the groove with no stretching.

No. 23803 **\$33.50 each**

Bulle Isochronism Spring



18 coils of 0.15mm diameter wire with 2 half end coils at right angles. Springs compensate for variations in battery voltage and temperature. C902 steel is a nickel-iron-chromium alloy

No. 23804 **\$39.50 each**

Bulle Contact Fork Blank



0.20mm shim steel. Made for the tall Bulle movement. Finishing with the silver contact and fiber insulator required. 23mm T x 13mm W. Rivet holes are 1.00mm.

No. 24633 **\$27.50 each**

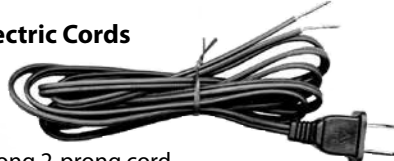
Bulle Steel "T"



Prevents the fiber insulator from being pierced by the brass plug. 8.15mm long.

No. 32119 **\$1.50 each**

Electric Cords



6' long 2-prong cord.

No. 19898 Brown **\$2.00 each**

No. 19503 White **\$2.25 each**

Cord & Plug-Antique Style



10-foot rayon covered parallel cord set with early ribbed style plug. Copper-capped wire tips. Plastic insulation covers stranded wire. **Not UL listed.**

No. 32044 Brown Cord **\$18.50 each**

No. 33752 Gold Cord **\$18.50 each**

Golden Hour Electric Cord



Original 2-prong brown cord. With original molded strain relief grommet. Cord is 5'9" long.

No. 33901 **\$4.00 each**

Rayon Covered Electrical Cord



Antique style replaces worn or defective cord. Sold by the foot. Please specify the length.

No. 20761 Brown **\$2.50 per foot**

No. 20758 Gold **\$2.50 per foot**

Antique Style Plugs



No. 30497 (Brown)

No. 30498 (Black)

2-prong dark brown embossed acorn and oak leaf early American design. 1.33" dia, x .67" height. With insulator and polarized prongs.

\$4.50 each

Plug Insulator

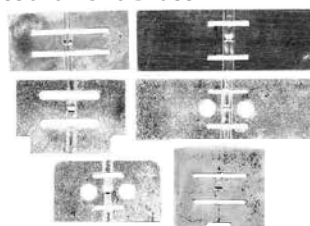


Plug insulator fits early 20th century style plugs. 1.055" diameter dielectric paper board.

No. 23090 **75¢ each**

Clock Parts: Fans

Fan Assortment-Brass



Includes six different fans.

No. 14334 **\$6.50 each**

Strike Fans-Hermle-Closeout



No. 00056

No. 00059

35.75mm (1-13/32") long arbor and pinion. For various Hermle movements. **Was \$7.50.**

23mm Wide x 25mm Tall

No. 00056 Hour Fan **\$3.50 each**

21mm Wide x 25mm Tall

No. 00059 1/4-Hour Fan **\$3.50 each**

Clock Parts: Fans

Fan-Kieninger



With arbor and pinion for HTU chime side.
No. 20911 **\$26.00 each**

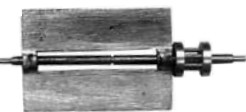
Music Movement Governor Fan-Closeout



Steel fan for older Reuge governors. May not be suitable for other models or manufacturers. May have surface rust. Sold as is. .640" arbor.
Was \$5.00.

No. 33226 18-Tooth **\$2.00 each**

Fan-Cast Brass Tall Case



For English and American clocks. 1-9/16" W x 1-1/8" H. 2-5/8" long arbor with lantern pinion.
No. 18385 **\$12.50 each**

Clock Parts: Glass, Domes & Tools

Night Light Globe

Base Not Included



Used on many French night light clocks. 4" diameter milk glass. Black Roman numerals. Bottom opening is 1-7/8" diameter. Top opening is 2-1/16" diameter. 3-1/4" tall.

No. 33177 **\$45.00 each**

Watch Dome-Glass

Watch Not Included



Glass dome with a stained hardwood base and removable brass hook. Felt pad prevents sliding and protects furniture. 3" D x 4-1/2" T.
No. 32144 Oak Base **\$10.00 each**
No. 14008 Walnut Base **\$10.00 each**
\$29.25/3 (\$9.75) \$114.00/12 (\$9.50)

Watch Dome-Plastic

Watch Not Included



Economical crystal clear acrylic dome with a brass hook on a black acrylic base.
No. 17456 3-1/4" Dia. x 4-5/8" Tall **\$13.00 each**
No. 20008 4" Dia. x 5-1/2" Tall **\$14.50 each**

Clock Domes



Clear glass round domes.

No. 14004 3" D x 4-1/4" H **\$5.25 each \$20.00/4 (\$5.00)**

No. 14001 4" D x 7" H **\$7.50 each \$29.00/4 (\$7.25)**

4-1/4" x 7-1/2" glass dome commonly used on Schatz clocks.

No. 29107 **\$56.50 each**

No. 14003 4-5/8" D x 8" H **\$11.25 each \$44.00/4 (\$11.00)**

No. 14002 5-1/2" D x 9" H **\$71.00 each**
5-1/8" x 8" glass dome commonly used on Schatz 1000-day clocks.

No. 29108 **\$65.50 each**

No. 14010 5-1/2" D x 10" H **\$20.00 each \$79.00/4 (\$19.75)**

No. 14000 5-1/2" D x 11" H **\$20.50 each \$81.00/4 (\$20.25)**

No. 19673 7-1/2" D x 16" H **\$179.50 each**

Wood Bases



Hardwood bases for our clock domes.

Walnut Stained

No. 19773 For 3" Dome **\$4.00**

No. 19774 For 4" Dome **\$4.25**

No. 23278 For 4-5/8" Dome **\$4.50**

No. 19776 For 5-1/2" Dome **\$6.50**

Wood Bases-Closeout



Hardwood base grooved to fit 3" dome. Reddish brown stain. With center mounting post for hanging pocket watches and other collectibles. **Was \$4.00.**

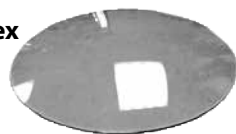
No. 01054 **\$2.00 each**



Hardwood base grooved to fit 4-5/8" dome. Walnut stain. No center mounting post. With a ridged bottom. **Was \$4.50.**

No. 01055 **\$2.25 each**

Oval Convex Glass-Revere



No. 14109 5-13/16" x 4-1/4" **\$9.50 each**

Pam-Ad Clock Convex Glass



High dome. Flattened top. 14-3/8" diameter.
No. 33175 **\$32.00 each \$94.50/3 (\$31.50)**

Pam-Ad Clock Square Convex Glass



NEW

High dome. Flattened front. 15" square.
No. 33176 **\$47.50 each**

Pocket Watch Crystal Assortment



100 pieces of flat glass hunting case crystals. Includes: 10 pieces each of 31mm, 32mm, 34mm, 36mm, 37mm, 38mm, 39mm, 40mm and 20 pieces of 35mm diameter. India.

No. 30454 **\$18.50 pack**

Watch Crystal Assortment



250-pieces. High domed unbreakable plastic crystals. 10 each of 25 different common diameters. India.

No. 30455 19.0mm to 23.6mm **\$50.00 pack**

No. 30456 23.0mm to 27.6mm **\$50.00 pack**

No. 30457 27.8mm to 32.4mm **\$50.00 pack**

Beveled Round Flat Glass



All glass is 3mm thick with a beautifully beveled finished edge. Dimension shown is outside diameter. Order any 3 pieces and deduct **25¢ each**

Diameter	Part #	Price
3-1/2"	No. 33087	\$5.50
3-9/16"	No. 33088	\$5.75
3-5/8"	No. 33089	\$6.00
3-11/16"	No. 33090	\$6.25
3-3/4"	No. 33091	\$6.50
3-13/16"	No. 33092	\$6.75
3-7/8"	No. 33093	\$7.00
3-15/16"	No. 33094	\$7.25
4"	No. 33095	\$7.50
4-1/16"	No. 33096	\$7.75
4-1/8"	No. 33097	\$8.00
4-3/16"	No. 33098	\$8.25
4-1/4"	No. 33099	\$8.50
4-5/16"	No. 33100	\$8.75
4-3/8"	No. 33101	\$9.00
4-7/16"	No. 33102	\$9.25
4-1/2"	No. 33103	\$9.50
4-9/16"	No. 33104	\$9.75
4-5/8"	No. 33105	\$10.00
4-11/16"	No. 33106	\$10.25
4-3/4"	No. 33107	\$10.50
4-13/16"	No. 33108	\$10.75
4-7/8"	No. 33109	\$11.00
4-15/16"	No. 33110	\$11.25
5"	No. 33111	\$11.50
5-1/8"	No. 33112	\$11.75
5-1/4"	No. 33113	\$12.00
5-3/8"	No. 33114	\$12.25
5-1/2"	No. 33115	\$12.50
5-5/8"	No. 33116	\$12.75
5-3/4"	No. 33117	\$13.00
5-7/8"	No. 33118	\$13.25
6"	No. 33119	\$13.50
6-1/4"	No. 33120	\$13.75
6-1/2"	No. 33121	\$14.00
6-3/4"	No. 33122	\$14.25
7"	No. 33123	\$14.50

Convex & Flat Round Glass

Note: Custom diameters and thicknesses can be special ordered in quantities of 25 pieces or more. Call for pricing and delivery.



Timesavers has the largest selection of glass in the trade!

2" to 14" glass is 2.0mm (.079") thick. Over 14" is 3.0mm (.118") thick.

Combine any 3 and deduct **25¢** each. Combine any 12 and deduct **50¢** each.

Diameter	Flat Glass	Convex Glass	Diameter	Flat Glass	Convex Glass	Diameter	Flat Glass	Convex Glass
1-7/8"	N/A	No. 32179	4-5/8"	No. 14133	No. 14062	8"	N/A	No. 14104
1-15/16"	N/A	No. 32324	4-11/16"	No. 14134	No. 14063	8-1/8"	No. 14151	No. 14105
2"	No. 14111	No. 14020	4-3/4"	No. 14135	No. 14064	8-1/4"	N/A	No. 14106
2-1/16"	N/A	No. 14021	4-13/16"	N/A	No. 14065	8-3/8"	N/A	No. 14107
2-1/8"	No. 14112	No. 14022	4-7/8"	No. 14136	No. 14066	8-1/2"	No. 17769	No. 14108
2-3/16"	N/A	No. 14023	4-15/16"	N/A	No. 14067	8-5/8"	N/A	No. 32960
2-1/4"	No. 14113	No. 14024	5"	No. 14137	No. 14068	8-3/4"	N/A	No. 29595
2-5/16"	N/A	No. 14025	5-1/16"	N/A	No. 14069	8-7/8"	N/A	No. 32880
2-3/8"	No. 14114	No. 14026	5-1/8"	No. 14138	No. 14070	9"	No. 29781	No. 14160
2-7/16"	No. 14115	No. 14027	5-3/16"	N/A	No. 14071	9-1/4"	N/A	No. 29596
2-1/2"	No. 14116	No. 14028	5-1/4"	No. 14139	No. 14072	9-1/2"	No. 29782	No. 18412
2-9/16"	N/A	No. 14029	5-5/16"	N/A	No. 14073	9-3/4"	No. 14152	No. 29516
2-5/8"	No. 14117	No. 14030	5-3/8"	No. 14140	No. 14074	9-7/8"	N/A	No. 32881
2-11/16"	N/A	No. 14031	5-7/16"	N/A	No. 14075	10"	No. 29783	No. 14161
2-3/4"	No. 14118	No. 14032	5-1/2"	No. 14141	No. 14076	10-1/8"	No. 14153	No. 29786
2-13/16"	N/A	No. 14033	5-9/16"	N/A	No. 14077	10-1/4"	No. 29784	No. 29517
2-7/8"	No. 14119	No. 14034	5-5/8"	No. 14142	No. 14078	10-1/2"	No. 29527	No. 18413
2-15/16"	N/A	No. 14035	5-11/16"	N/A	No. 14079	10-5/8"	N/A	No. 32882
3"	No. 14120	No. 14036	5-3/4"	No. 14143	No. 14080	10-3/4"	No. 29785	No. 29518
3-1/16"	N/A	No. 14037	5-13/16"	N/A	No. 14081	10-7/8"	No. 33712	N/A
3-1/8"	No. 14121	No. 14038	5-7/8"	No. 14144	No. 14082	11"	No. 29528	No. 14163
3-3/16"	No. 32180	No. 14039	5-15/16"	N/A	No. 14083	11-1/4"	N/A	No. 29519
3-1/4"	No. 14122	No. 14040	6"	No. 14145	No. 14084	11-1/2"	No. 29529	No. 18414
3-5/16"	N/A	No. 14041	6-1/16"	N/A	No. 14085	11-3/4"	N/A	No. 29520
3-3/8"	No. 14123	No. 14042	6-1/8"	No. 14146	No. 14086	11-7/8"	No. 14154	No. 29787
3-7/16"	N/A	No. 14043	6-3/16"	N/A	No. 14087	12"	No. 29691	No. 14165
3-1/2"	No. 14124	No. 14044	6-1/4"	No. 14147	No. 14088	12-1/4"	N/A	No. 29521
3-9/16"	N/A	No. 14045	6-5/16"	N/A	No. 14089	12-3/8"	No. 14155	No. 29788
3-5/8"	No. 14125	No. 14046	6-3/8"	No. 17770	No. 14090	12-1/2"	No. 29692	No. 18415
3-11/16"	N/A	No. 14047	6-7/16"	N/A	No. 14091	12-3/4"	N/A	No. 29522
3-3/4"	No. 14126	No. 14048	6-1/2"	No. 17766	No. 14092	13"	N/A	No. 29597
3-13/16"	N/A	No. 14049	6-5/8"	N/A	No. 14093	13-3/8"	N/A	No. 32961
3-7/8"	No. 14127	No. 14050	6-3/4"	No. 14148	No. 14094	13-3/4"	N/A	No. 32962
3-15/16"	N/A	No. 14051	6-7/8"	N/A	No. 14095	14"	N/A	No. 18493
4"	No. 14128	No. 14052	7"	No. 17767	No. 14096	14-3/8"	N/A	No. 29523
4-1/16"	N/A	No. 14053	7-1/16"	N/A	No. 32959	15"	N/A	No. 29524
4-1/8"	No. 14129	No. 14054	7-1/8"	N/A	No. 14097	15-1/4"	N/A	No. 32963
4-3/16"	No. 00052	No. 14055	7-1/4"	No. 14149	No. 14098	15-7/16"	No. 32756	No. 29525
4-1/4"	No. 14130	No. 14056	7-3/8"	N/A	No. 14099	18"	N/A	No. 00050
4-5/16"	No. 00051	No. 14057	7-1/2"	No. 17768	No. 14100	18-3/8"	N/A	No. 29526
4-3/8"	No. 14131	No. 14058	7-5/8"	N/A	No. 14101	NOTE: We can ship glass internationally but only at customer's risk!!		
4-7/16"	N/A	No. 14059	7-3/4"	N/A	No. 14102			
4-1/2"	No. 14132	No. 14060	7-7/8"	No. 14150	No. 14103			
4-9/16"	N/A	No. 14061						

Convex Glass Pricing		Convex Glass Pricing		Flat Glass Pricing		Flat Glass Pricing		Combine any 3 & deduct 25¢ each. Combine any 12 & deduct 50¢ each.
1-7/8"-3-7/16"	\$3.75 each	11"-11-7/8"	\$12.75 each	2"-2-7/8"	\$2.50 each	8" to 8-3/4"	\$6.75 each	
3-1/2"-5-15/16"	\$4.25 each	12"-12-3/4"	\$13.00 each	3"-3-7/8"	\$2.75 each	9" to 9-3/4"	\$7.00 each	
6"-6-7/8"	\$4.75 each	13"-13-3/4"	\$14.00 each	4"-4-11/16"	\$3.00 each	10" to 10-3/4"	\$7.50 each	
7"-7-7/8"	\$5.50 each	14"-14-3/8"	\$20.00 each	4-3/4"-5-15/16"	\$3.50 each	11" to 11-7/8"	\$7.75 each	
8"-8-7/8"	\$12.00 each	15"-15-7/16"	\$22.50 each	6"-6-7/8"	\$4.50 each	12"-12-3/4"	\$8.00 each	
9"-9-7/8"	\$12.25 each	18"-18-3/8"	\$32.50 each	7" to 7-7/8"	\$5.00 each	15-7/16"	\$17.50 each	
10"-10-3/4"	\$12.50 each							

High Dome Convex Glass

Inside Depth Of Convex Glass:

Standard Convex (See Page #42)

High Dome Convex

Less than 5" Diameter

Less than 10mm (0.394") depth

10mm to 12mm (0.394" to 0.472") depth

5" Thru 8" Diameter

10mm to 15mm (0.394" to 0.591") depth

12mm to 18mm (0.472" to 0.709") depth

Combine any 3 pieces and deduct 25¢ each. Combine any 12 pieces and deduct 50¢ each.

Diameter	Part #	Price	Diameter	Part #	Price	Diameter	Part #	Price
2-19/32"	No. 33009	\$4.25	3-7/8"	No. 33022	\$4.50	5-1/8"	No. 33035	\$4.75
2-3/4"	No. 33010	\$4.25	3-15/16"	No. 33023	\$4.50	5-3/16"	No. 33036	\$4.75
2-15/16"	No. 33011	\$4.25	4"	No. 33024	\$4.50	5-1/4"	No. 33037	\$4.75
3"	No. 33012	\$4.50	4-1/8"	No. 33025	\$4.50	5-5/16"	No. 33038	\$4.75
3-1/8"	No. 33013	\$4.50	4-3/16"	No. 33026	\$4.50	5-3/8"	No. 33039	\$4.75
3-3/16"	No. 33014	\$4.50	4-1/4"	No. 33027	\$4.50	5-1/2"	No. 33040	\$4.75
3-1/4"	No. 33015	\$4.50	4-5/16"	No. 33028	\$4.50	5-5/8"	No. 33041	\$4.75
3-5/16"	No. 33016	\$4.50	4-3/8"	No. 33029	\$4.50	5-3/4"	No. 33042	\$4.75
3-3/8"	No. 33017	\$4.50	4-7/16"	No. 33030	\$4.50	5-7/8"	No. 33043	\$4.75
3-1/2"	No. 33018	\$4.50	4-1/2"	No. 33031	\$4.50	6"	No. 33044	\$5.00
3-5/8"	No. 33019	\$4.50	4-5/8"	No. 33032	\$4.50	6-1/8"	No. 33045	\$5.00
3-11/16"	No. 33020	\$4.50	4-3/4"	No. 33033	\$4.50	6-1/4"	No. 33046	\$5.00
3-3/4"	No. 33021	\$4.50	5"	No. 33034	\$4.75			

8" x 10" OG Glass Glass

Can be used on OG and 1/2 column clocks. All except No. 30024 can be trimmed to fit 8" wide x 9" tall opening. Each glass measures 8" wide x 10" tall x .07" thick. See this page for cutting charges.



No. 30020 Gold ... \$12.50



No. 30016 Gold ... \$12.50



No. 30024 Gold ... \$12.50



No. 30018 Gold ... \$12.50

We Cut Glass Every Three Weeks

NOTE:
We can ship glass internationally but at customer's risk.

Cutting Charges (Special Cuts - Price On Request)

4 Cuts-\$12.00	5 Cuts-\$12.50	6 Cuts-\$13.00	Radius Cuts-\$14.50

Cutting Clock Glass

We can custom cut our clock glass to your specifications, however, you must send us a template indicating the exact size and shape you require. Measure the inside of the door frame allowing a 1/16" space for the glass, or trace around the old glass and note this on the template. Use a thin piece of paper, not a brown grocery bag. Mark the position of the bottom of the dial pan. If the door frame is not true, indicate which side of the pattern is to be on the outside. Double check your measurements and be sure the glass you have chosen will properly fit your clock. We will not cut glass without your template.

Square Or Rectangular Glass

Provide the width and height to the nearest 1/16".

Odd Or Special Shaped Glass

Must provide an actual size template which indicates all of the necessary dimensions.

Plain Glass Cutting

We can cut plain, clear glass. The charge is \$5.00 per square foot for the glass plus the cutting charge as indicated above.

Guarantee

We guarantee our glass cutting on all orders which have a template provided. We cannot guarantee against breakage if you cut the glass. We cannot accept returns on cut glass.

Glass Cutter



Your cuts will be smoother if you use a lubricant like kerosene. 6-1/2" long.

No. 154582 \$6.50 each

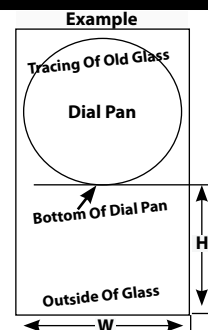
Circular Glass Cutter



Cuts circles from 2-1/4" to 16-1/2". Use kerosene as a lubricant. Has diamond cutting tip.

No. 13485 \$21.00 each

How To Measure Your Kitchen Clock Glass



1.) Provide all outside dimensions, height x width, on your template.

2.) Provide dimension "H", that is, the distance from the bottom of the dial pan to the bottom edge of the glass.

Note: Choose a pattern from our listing where the "H" (height) does not exceed the required "H" (height) dimension on your clock. Otherwise the bottom of the pattern may be cut off.

M.L. Shipley Quality 8" x 14" Kitchen Clock Glass

Timesavers acquired the M. L. Shipley Company, manufacturer of quality reproduction clock glass. Our kitchen clock glass measures 8" wide x 14" tall x .07" thick. The actual image size and manufacturer is indicated. See **Page #43** for cutting charges.

Gold: \$11.00 each

Silver: \$12.00 each



Ansonia
No. 30102 Gold
No. 30103 Silver
6"W x 7"H



Ansonia
No. 30109 Gold
5-7/8"W x 7"H



Ansonia
No. 30120 Gold
6"W x 7"H



Ansonia
No. 30101 Silver
6"W x 7-3/8"H



Gilbert
No. 30125 Gold
No. 30126 Silver
6-1/4"W x 7-1/2"H



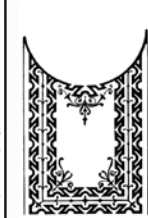
Gilbert
No. 30136 Gold
5-3/4"W x 6-1/2"H



Gilbert
No. 30138 Gold
5-3/4"W x 6-7/8"H



Gilbert
No. 30142 Gold
5-3/4"W x 5-3/8"H



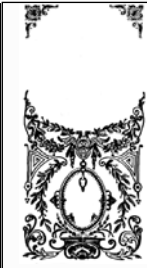
Ingraham
No. 30152 Gold
6-1/8"W x 6-3/8"H



Ingraham
No. 30154 Gold
5-7/8"W x 6-5/8"H



Ingraham
No. 30156 Gold
6-1/4"W x 6-1/2"H



Ingraham
No. 18237 Gold
5-3/4"W x 6-1/8"H



Ingraham
No. 30165 Gold
5-7/8"W x 6-3/8"H



Ingraham
No. 30171 Gold
5-5/8"W x 6-3/8"H



Ingraham
No. 30174 Gold
6"W x 7"H



Ingraham
No. 30176 Gold
5-5/8"W x 5-3/8"H



Ingraham
No. 30178 Gold
5-1/2"W x 6"H



Ingraham
No. 30149 Silver
6-1/2"W x 7-3/8"H



Ingraham
No. 18244 Gold
5-1/2"W x 6-1/2"H



New Haven
No. 30195 Gold
5-3/4"W x 6-1/8"H



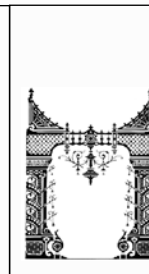
New Haven
No. 18243 Gold
5-1/4"W x 5-3/4"H



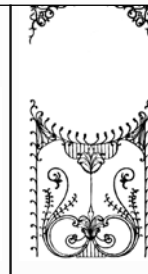
Sessions
No. 18240 Gold
6"W x 6-1/8"H



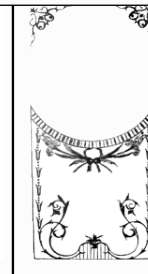
Seth Thomas
No. 18236 Gold
No. 30215 Silver
6-1/2"W x 7"H



Seth Thomas
No. 30227 Gold
6-3/8"W x 6-3/4"H



Waterbury
No. 18239 Gold
5-7/8"W x 6"H



Waterbury
No. 30232 Gold
5-3/4"W x 5-5/8"H



Waterbury
No. 30242 Gold
6-3/8"W x 7"H

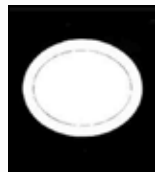


E. N. Welch
No. 30259 Gold
5-3/4"W x 7"H



Universal
No. 18241 Gold
6-5/8"W x 6-1/8"H

Short Drop Regulator Glass With Opening



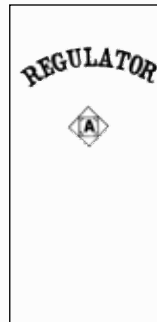
No. 18253
2-3/4"W x 2-1/4"H

Gold design on a black background with a clear center opening. See **Page #43** for cutting charges.

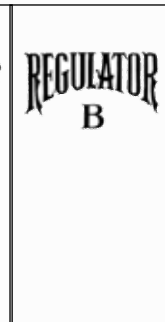
Long Drop Regulator Glass

Designs on clear glass. The overall glass size is 8" wide x 14" tall x .07" thick. See **Page #43** for cutting charges.

\$11.00 each



No. 18245 Gold



No. 18246 Gold

NOTE:

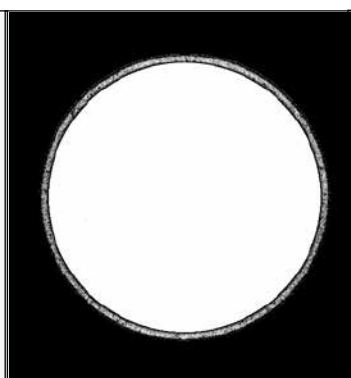
We can ship glass internationally but at customer's risk.

Store Regulator Glass

Screened on 14" wide x 16" tall x .07" thick glass. See this **Page #43** for cutting charges.



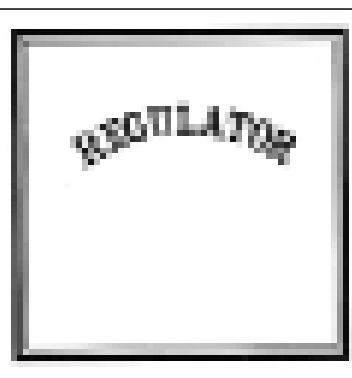
2" tall **No. 30092 ... \$22.00**
Black On Orange Background
10-3/4" wide x 9-1/2" tall



No. 18247 12" Opening
No. 30090 11-1/2" Opening
\$22.00 each
Gold Ring With a Black
Background & Clear Center



No. 30091 ... \$22.00
Gold
9-5/8" wide x 9-5/8" tall



No. 18249 ... \$22.00
Gold
11-1/2" wide x 11-1/2" tall



No. 18251 ... \$22.00
Gold On Black Background
12-1/2" wide x 11-1/2" tall



No. 18250 ... \$22.00
Gold
11-1/2" wide x 11-1/2" tall



No. 30094 ... \$22.00
Gold
10-3/4" wide x 10-1/2" tall



No. 18252 ... \$22.00
Clear Lettering On Gold
11" wide x 10-1/2" tall



No. 30097 ... \$22.00
Gold
11-1/4" wide x 11-1/4" tall

12" x 14" Multicolored Glass



No. 00186 ... \$20.00
Berkeley Plantation 12" X 14"
Multicolor Glass
Family home of President W. H. Harrison. Brick house with slate roof. Green grass and foliage with blue sky and maroon background. Gold design with pendulum opening. 7-1/2" wide X 11" tall. **Pendulum opening has been painted over, the paint will need to be removed to view pendulum. Sold as is. **Was \$40.00 now \$20.00 while supplies last.**



No. 00187 ... \$20.00
J.C. Brown Residence 12" x 14"
Multicolor Glass
White house with green trees and grass. White background. Black and gold scroll with clear center. 8-1/2" wide X 7-3/4" tall. **Was \$40.00 now \$20.00 while supplies last.**







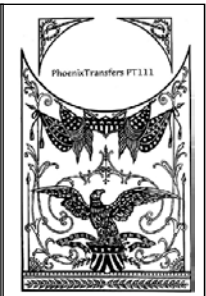

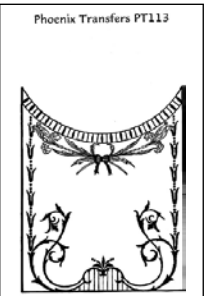



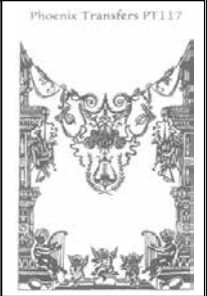



No. 00188 ... \$20.00
J.C. Brown Residence 12" x 14"
Full Color Glass
Brown house with green trees and grass. Sky blue background. Black and gold scroll with clear center. 8-1/2" wide X 7-3/4" tall. **Was \$40.00 now \$20.00 while supplies last.**

**We Ship
Worldwide
Daily**

Kitchen Clock Glass Transfers

Transfers are designed to be applied to existing glass by a pressure transfer method. Transfers have a 2-3 year shelf life. The ink used is temperature sensitive. Transfers may be revitalized by placing them in natural sunlight. Do not microwave!

Gold \$7.50 each \$21.75/ 3 (\$7.25)

						
No. 19339 Gold 5-7/8" width 5-7/16" height	No. 19342 Gold 5-1/16" width 6-5/8" height	No. 19343 Gold 5-13/16" width 6" height	No. 19344 Gold 5-11/16" width 6" height	No. 19202 Gold 5-3/4" width 6-1/8" height	No. 19203 Gold 5-3/8" width 6-3/8" height	No. 19204 Gold 5" width 5-9/16" height
						
No. 19205 Gold 5-5/16" width 6-5/8" height	No. 19206 Gold 5-3/8" width 5-13/16" height	No. 19207 Gold 5-3/8" width 6" height	No. 19208 Gold 5-1/4" width 6-3/8" height	No. 19211 Gold 5-1/4" width 6-1/8" height	No. 19941 Gold 5" width 5-3/8" height	No. 20007 Gold 5-1/8" width 5-11/16" height

Transfer Burnishing Tool

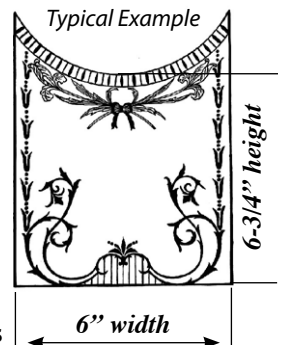


For burnishing transfers. Adjustable spring loaded ball. 5-3/4" long.

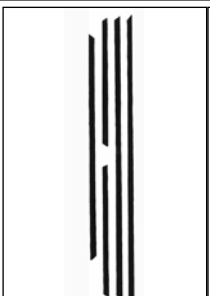

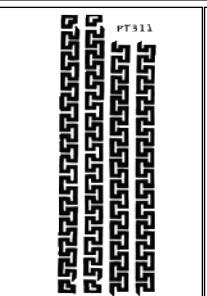
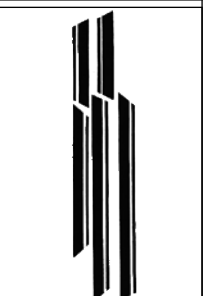
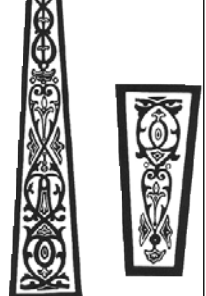
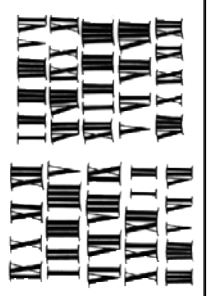

No. 20035 \$14.00 each

Transfers have a 2-3 year shelf life. The ink used is temperature sensitive. Transfers may be revitalized by placing them in natural sunlight. Do not microwave!

Image Dimensions
Image width x image height below the dial.
Example 6" width x 6-3/4" height.
All measurements are approximate.

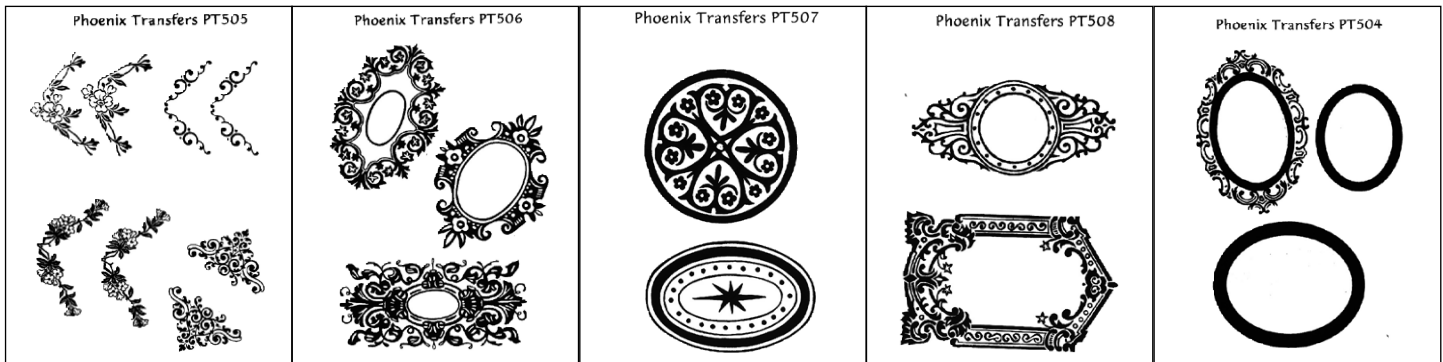


Borders/Stripes Transfers Are Only In Gold \$2.50 each

						
No. 19228 Gold 1/8" width 7-3/8" length	No. 19226 Gold 1-1/16" height 5-3/16" length 1" height 2-5/16" length	No. 19230 Gold 11/16" width 11-7/8" length	No. 19231 Gold 1/2" width 7-15/16" length	No. 19943 Gold 2" width x 9" height 2-1/4" wide x 5" height \$5.50 each \$15.75/ 3 (\$5.25)	No. 12331 Black 11/16" to 3/4" height \$7.50 each	No. 19525 Black 1-1/16" height 1-9/16" height \$7.50 each

Available In Gold Only

Transfers are designed to be applied to existing glass or dials by a pressure transfer method. **\$5.00 each \$14.25/ 3 (\$4.75)**



No. 20184 Gold
1-9/16" x 2"
Length of legs

No. 20185 Gold
2-3/8" x 4-3/4"
2-3/4" x 4-1/8"
3-1/4" x 4-1/4"

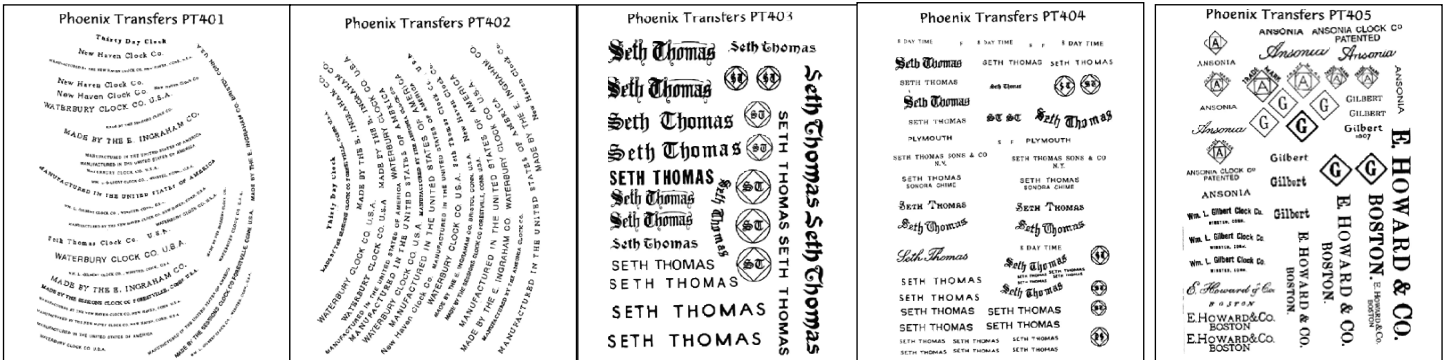
No. 19216 Gold
3-1/2" diameter
2-9/16" x 4"

No. 19217 Gold
3-1/8" x 5-1/8"
1-5/8" x 4-7/8"

No. 19214 Gold
2-3/4" x 2-1/4"
4" x 3-1/4"
4-1/4" x 2-5/8"

Trademark, Numeral, Marker & Second Bit Transfers Are Available In Black

Transfers are designed to be applied to existing glass or dials by a pressure transfer method. Available in black only.
\$7.50 each \$21.75/ 3 (\$7.25)



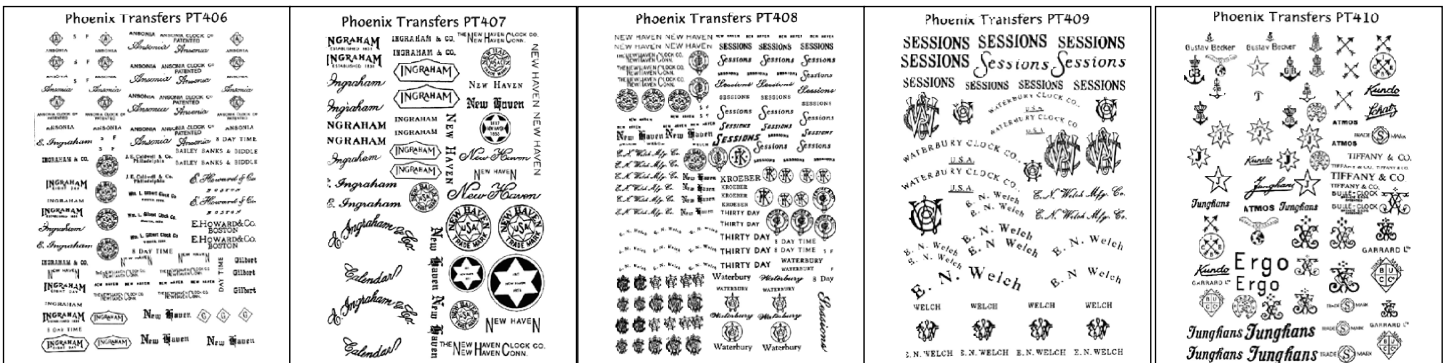
No. 19526 Black
3/32" to 1/8" height

No. 19527 Black
3/32" to 5/32" height

No. 19547 Black
1/4" to 1/2" height

No. 19533 Black
3/32" to 5/16" height

No. 19548 Black
3/32" to 1/2" height



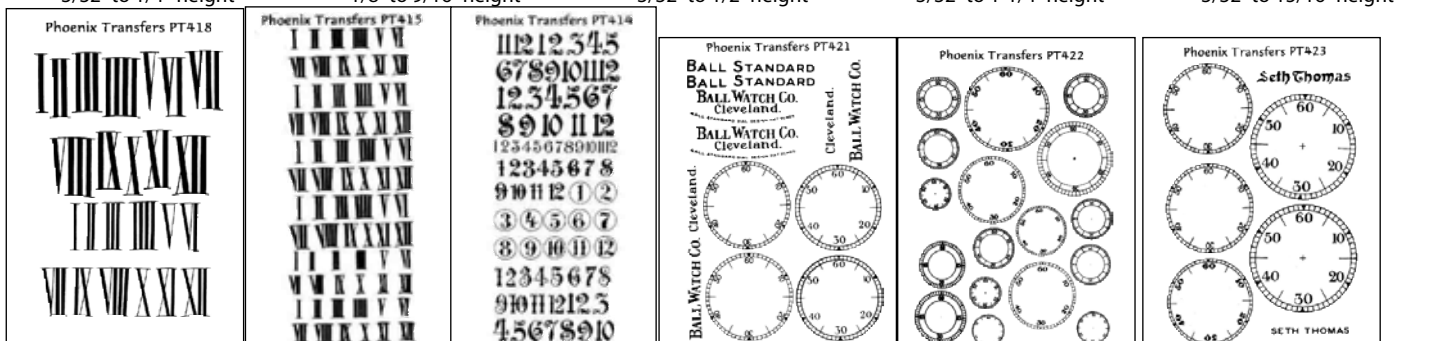
No. 19528 Black
3/32" to 1/4" height

No. 19529 Black
1/8" to 9/16" height

No. 19530 Black
3/32" to 1/2" height

No. 19531 Black
3/32" to 1-1/4" height

No. 19532 Black
3/32" to 15/16" height



No. 12332 Black
1-1/4" height
1-1/2" height

No. 12330 Black
1/2 to 5/8" height

No. 12335 Black
3/8 to 5/8" height

No. 12328 Black
3/32" to 3/8" height
2-9/16" diameters

No. 12322 Black
1-5/16" to 2-1/2"
diameters

No. 12327 Black
2-9/16" to 3-1/4"
diameters

Clock Parts: Decals

OG Clock Decal- Closeout



10" x 12". Green, pink and gold on a black background. Special buy. **Was \$7.00.** While supplies last. **NOTE:** This is a decal....NOT a transfer.
No. 33378 **\$2.50 each**

Kitchen Clock Decal-Closeout



6" x 8". Gold on clear background. **Was \$4.00.**
No. 33379 **\$1.00 each**

Clock Parts: Golden Hour, Helm, Minute & View

Golden Minute, Golden Helm & Golden Hour Replacement Parts



Exclusive!

Parts for the original Golden Hour Clock.

No. 14607	Retaining Ring	\$12.00
No. 14605	Cone Nut	\$6.50
No. 17807	Convex Tension Washer	\$1.50
No. 14610	Cord	\$3.50
No. 33901	Molded Grommet Cord	\$4.00
No. 17805	Fiber Washers (2)	\$1.00
No. 17808	Flat Washer (1)	75¢
No. 16937	Glass	\$10.50
No. 14609	Gold Base	\$30.00
No. 14606	Gold Dial Ring	\$30.00
No. 14611	Leaf Spring Set (3)	\$3.00
No. 14604	Minute Hand	\$6.50
No. 23683	Hour Hand	\$5.00
No. 20985	Motor Mount Screw (2)	50¢
No. 20986	Base Plate Screw (2)	50¢
No. 17806	Nylon Pad (2)	\$1.00
No. 18482	Golden Hour Repair Tips	N/C

You can view repair information online by clicking on Golden Hour Repair Tips on Timesavers website. Important Note:

The following 3 motors only work in Golden Hour Clocks made by the Jefferson Electric Company. They will not work in Golden Suspense or Secret clocks or in Haddon or Mastercrafters clocks.

If your old motor has a groove on the brass drive gear, this usually indicates the glass and gear ring are binding in the dial frame. This must be corrected prior to installation of a new motor or the problem will persist. New returned motors with a groove on the brass drive gear cannot be accepted for credit or exchange.

Golden Hour Clock Motor

**New &
Improved**



With a brass 27-tooth gear. 110 volt, 60 cycles.
No. 14600 **\$43.50 each**
\$129.00/ 3 (\$43.00)

48

Golden Hour Motor Gear



Replacement 27-tooth brass gear fits **No. 14600** Golden Hour Motor.
No. 29700 **\$6.50 each**

Golden Hour Motor-220 Volt, 50 Cycle



Use in countries with 220 volts, 50-cycle service. CE and UL approved. 27-tooth brass gear. Runs nosier and warmer than 110-volt motor.

No. 23356 **\$50.00 each**

Golden Helm, Golden Minute, Golden View Motor



110 volts, 60 cycle, UL and CE approved, single phase motor. 36 tooth brass gear. Runs nosier and warmer than the Golden Hour motor.

No. 14501 **\$50.00 each**

Golden Helm. Minute & View Motor Gear



Replacement 36-tooth brass gear fits **No. 14501** motor.

No. 34017 **\$9.50 each**

Golden Helm, Minute & View Replacement Glass



4-7/8" dia. x .09" thick. Center hole drilled.

No. 19450 **\$12.50 each**

#847 Rubber Adhesive For Golden Hour Clocks



For adhering the glass to the gear ring on Golden Hour clocks. 5 fl oz. tube.

No. 29806 **\$22.00 each**

Clock Parts: Gongs, Gong Bases & Gong Units

Flat Wire Gong



3" diameter with outside washer. India.

No. 15491 **\$4.00 each**

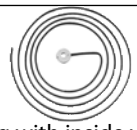
Wire Gong



3-1/4" round wire gong with outside washer.

No. 32860 **\$4.00 each**

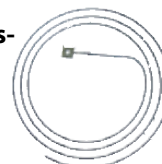
Wire Gong



Round wire gong with inside washer.

No. 19770 4-1/2" Dia. **\$4.00 each**

Wire Gongs- Large



Perfect for German grandfather clocks.

No. 20820 5-1/8" Dia. **\$18.00 each**

No. 20821 9-1/2" Dia. **\$34.00 each**

Round Wire Gongs



No. 12163



No. 19573

Round wire gong with no washer.

No. 19573 3-1/2" Dia. **\$2.50 each**

No. 12163 4-1/4" Dia. **\$2.75 each**

Cuckoo Gong & Bracket



Complete with bracket and screw.

No. 15975 60mm 2-3/8" **\$1.75 set**

No. 15976 70mm 2-3/4" **\$2.00 set**

No. 12380 80mm 3-1/8" **\$2.25 set**

No. 15977 90mm 3-1/2" **\$2.50 set**

No. 12381 100mm 4" **\$2.75 set**

No. 12382 120mm 4-3/4" **\$3.25 set**

No. 12383 140mm 5-1/2" **\$4.00 set**

Gong & Base



No. 23664



No. 23665

Gong and base for Hermle and other clocks.

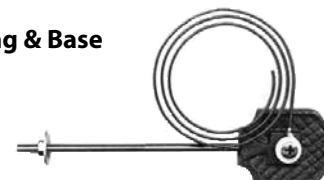
No. 23664 75mm Dia. **\$33.50**

No. 23665 125mm Dia. **\$36.50**

Cast iron base only. 4" tall.

No. 20822 **\$16.50 each**

Gong & Base



M5 threaded shaft can be cut to length. 3-1/2" diameter wire gong.

No. 12164 4-5/8" **\$19.50 set**

Gong & Base



NEW

4-5/8" diameter round wire gong with 2-1/8" x 1-11/16" cast iron base. China.

No. 33724 **\$7.50 each**

Gong & Base



No. 10754 ... 4-5/8" Round Base **\$15.00**

Clock Parts:

Gongs, Gong Bases & Gong Units

Gong Bases



No. 12167

No. 12170

No. 12166

Round cast bases with a black finish.

No. 12167 2" Dia. **\$4.00 each**

No. 12166 2-1/2" Dia. **\$4.00 each**

No. 12170 2" Dia. **\$4.00 each**

Gong Base Hardware



Pack includes 4 flat washers, 4 nuts, 4 screws, and 4 recessed washers.

No. 21063 **\$3.50 pack**

Clock Parts: Hands For Mechanical & Electric Movements

All hands sold in pairs except for calendar hands, second hands and pointers. All are steel with brass bushings on hour hands unless otherwise specified. Square or oblong holes in the minute hand are indicated. Size listed is length of minute hand from center of mounting hole to tip. Hands can be trimmed to fit or may require mounting hole modification.

Alarm Clock Hands-Closeout



Black with luminous strip. Bushed minute hand has 1.9mm (.075") mounting hole. Hour hand has 3.8mm (.150") mounting hole. 1-3/8" long minute hand. **Was \$3.50.**

No. 33572 **\$1.00 pair**

Ansonia Style Hands



Size indicates the length of minute hand. Bushed hour hand.

No. 20175 1-3/8" Square **\$8.25 pair**

No. 20176 1-7/8" Square **\$8.50 pair**

Ansonia Style Hands



Brass. 2-1/8" oblong minute hand. Bushed hour hand. For swinging arm clocks. China.

No. 13197 **\$20.00 pair**

Arrow Hands-Closeout



Brass. 5-3/8" minute hand as measured from the center of the 2.0mm square mounting hole bushing to the tip. 4.5mm round hole hour hand bushing. **Was \$16.50.**

No. 00891 **\$5.50 pair**

Astro Regulator Hands



3-piece blued set. 4-1/2" minute hand. Nicked bushings. 4.0mm ID minute hand bushing. 6.5mm ID hour hand bushing. 1.0mm ID second hand bushing. China.

No. 32152 **\$32.50 set**

Banjo Hands



3-1/2" minute hands as measured from center hole to the tip. Steel hands with pilot holes.

No. 23322 **\$11.50 pair**

Banjo Hands



3-3/8" steel hands. Square hole in the minute hand and brass bushing in the hour hand.

No. 18725 **\$9.00 pair**

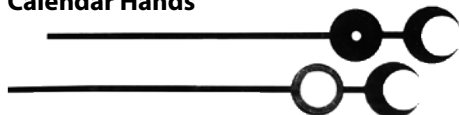
Calendar Hand-Hermle



3/4" long black hand with 1/2" brass shaft. Fits Hermle and other movements.

No. 19843 **\$5.25 each**

Calendar Hands



Trim to fit smaller dials. Size listed is the measurement center to tip.

No. 13016 2-1/2" Brass Small Hole

No. 13014 3" Black With Bushing

No. 13015 3" Black Small Hole

\$3.25 each

No. 13013 4-1/2" Black With Bushing

No. 13010 4-1/2" Black Small Hole

\$3.50 each

No. 34040 **NEW** 5-3/4" Black Small Hole

\$4.50 each



Red. 5" long from center of oblong mounting hole to tip. Can trim to fit.

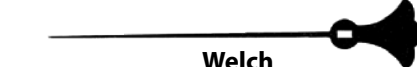
No. 33328 **\$4.50 each**



Can trim to fit smaller dials. With bushing.

No. 33295 5-1/4" Red **\$4.50 each**

No. 13021 5-3/4" Black **\$4.50 each**



Welch

No. 22654 3-5/8" **\$6.00 each**

Carriage Clock Hands



Brass bushings in both blued steel hands. The minute hand measures 14.5mm (9/16"). China.

No. 29751 **\$5.50 pair**

Carriage Clock Hands



Blued steel. Measurements shown from the center of the 1.8mm square minute hand mounting hole to the tip. 3.25mm round hole bushing in the hour hand. Swiss.

No. 00778 3/4" (19mm) **\$15.00 pair**

No. 00777 7/8" (23mm) **\$15.00 pair**



Both hands bushed.

No. 20959 Black 7/8" **\$3.50 pair**

Carriage Clock Hands



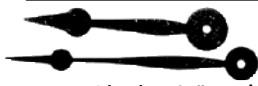
For small clocks and carriage clocks. With pilot holes.

No. 20954 Black 1-1/8" **\$3.50 pair**

No. 20964 Black 1-3/8" **\$3.50 pair**



No. 20958 Black 3/4" **\$3.50 pair**



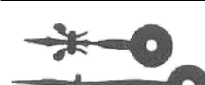
No. 20957 Black 3/4" **\$3.50 pair**

No. 20956 Black 1" **\$3.50 pair**

No. 20962 Black 1-5/8" **\$3.50 pair**

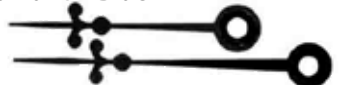


No. 20963 Black 1-3/16" **\$3.50 pair**



No. 20953 Black 1" **\$3.50 pair**

Club Hands-Black



Round pilot holes. 2 included bushings must be installed. Minute hand length shown.

No. 23383 1-9/16" **\$3.25 pair**



Square hole with bushing installed in the hour hand.

No. 23602 1-3/4" **\$3.25 pair**

No. 23384 2-1/8" **\$3.25 pair**

No. 23385 2-5/16" **\$3.25 pair**

No. 18923 2-1/2" **\$3.25 pair**

No. 19576 3-1/2" **\$3.25 pair**

Cuckoo Clock Hands-Bone



Beautifully hand carved bone hands have round pilot holes. No two pairs are alike.

Minute Hand Length Fits Dial Size

No. 20938 2-5/16" 120mm **\$25.50 pair**

Clock Parts: Hands For Mechanical & Electric Movements

Cuckoo Hands- Wood



Brass bushing in hour hand. Fits dial shown.

No. 19313	To Fit 80mm	\$5.00 pair
No. 19314	To Fit 90mm	\$5.25 pair
No. 19315	To Fit 100mm-110mm	\$5.50 pair
No. 19316	To Fit 120mm	\$6.00 pair
No. 19317	To Fit 130mm-140mm	\$6.50 pair
No. 19318	To Fit 150mm-160mm	\$7.50 pair
No. 19319	To Fit 170mm-210mm	\$8.00 pair

Cuckoo Clock Hands-Round Holes



White plastic. Round holes. No bushings. The size listed is the dial the hands will fit.

No. 17709	To Fit 50mm Dial
No. 13034	To Fit 60mm Dial
No. 19660	To Fit 70mm Dial
No. 17436	To Fit 80mm Dial
No. 17437	To Fit 90mm Dial

\$1.00 pair

No. 19661	To Fit 100-110mm Dial
No. 13048	To Fit 120mm Dial
No. 17438	To Fit 130mm-140mm Dial

\$1.50 pair

Antiqued Cuckoo Clock Hands- Round Hole



Antique cream colored plastic. No bushings.

No. 20883	To Fit 60mm Dials
No. 20884	To Fit 70mm Dials
No. 20885	To Fit 80mm Dials
No. 20886	To Fit 90mm Dials

\$1.00 pair

No. 20888	To Fit 100-110mm Dials
No. 20889	To Fit 120mm Dials
No. 20890	To Fit 130mm-140mm Dials

\$1.50 pair

Cuckoo Clock Hands-Novelty



White plastic. Bushed minute hand. Fits 40mm dial.

No. 13033	\$1.25 pair
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Cuckoo Hands- No Mounting Hole



White plastic. Fits 75mm (3") dial. Minute hand measures 1-3/8" (35mm approx.) from center to tip. No mounting holes allow for custom fit.

No. 33759	\$1.00 pair
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Cuckoo Hands- Bushed Round Hole



White plastic. Bushed minute hand.

No. 33753 For 50mm Dial	\$1.25 pair
No. 33754 For 100mm Dial	\$1.75 pair
No. 33755 For 120mm Dial	\$1.75 pair
No. 33756 For 130mm-140mm Dial	\$1.75 pair
No. 33757 For 170mm-180mm Dial	\$2.25 pair

50

Cuckoo Clock Hands-Square Hole



White plastic. Square hole (3mm). No bushings.

No. 17439	To Fit 50mm Dial
No. 17440	To Fit 60mm Dial
No. 19662	To Fit 70mm Dial
No. 17442	To Fit 80mm Dial
No. 17443	To Fit 90mm Dial

\$1.00 pair

No. 19663	To Fit 100mm-110mm Dial
No. 17445	To Fit 120mm Dial
No. 17446	To Fit 130mm-140mm Dial
No. 33897	To Fit 165mm-180mm Dial

3.75mm square minute hand mounting hole

No. 33615 To Fit 165mm-180mm Dial |

4.00mm square minute hand mounting hole

\$1.50 pair

Cuckoo Hand Assortment



7 pair of white plastic cuckoo hands, round hole, to fit 50mm to 120mm diameter dials. Includes 2.5mm square hole brass bushings.

No. 29072 Cream | **\$9.00 pack** |

No. 13120 White | **\$9.00 pack** |

White cuckoo hands with 3mm square mounting holes. 8 pair in sizes to fit 50mm to 140mm dials. No bushings.

No. 29754	\$8.00 pack
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Cuckoo Clock Hand Bushings



Brass. 7.5mm OD. 12-piece packs.

No. 32328	2.0mm square I.D.	\$5.50
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No. 11208	2.5mm square I.D.	\$5.75
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Diamond Hands-Closeout



For Mauthe and other clocks. Black. 1-1/4" minute hand as measured from center of oblong hole to tip. 4.5mm round hole bushing in hour hand. **Was \$15.00.**

No. 00897	\$4.00 pair
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Black bushed hands. Minute hand is 2" long. 2.25mm square minute hand mounting hole. Hour hand has 5.25mm bushing. **Was \$11.00.**

No. 33590	\$3.50 pair
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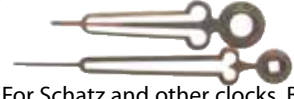
Gilt brass. Minute hand is 5-3/8" long. 1.8mm square bushed mounting hole. Bushed 4.25mm hour hand. **Was \$15.00.**

No. 00577	\$6.00 pair
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Gilt brass. Minute hand is 5-5/8" long. 1.8mm square bushed hole. Bushed 4.0mm hour hand. **Was \$15.00.**

No. 00921	\$6.00 pair
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Fancy Hands-Closeout



Brass. For Schatz and other clocks. Both hands bushed. 2-3/16" long minute hand with 2.0mm square mounting hole. **Was \$12.50.**

No. 33322	\$4.00 pair
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Gilt brass. Minute hand is 2-1/4" long with 2.0mm square mounting hole. Bushed 4.0mm hour hand. **Was \$10.50**

No. 00573	\$4.00 pair
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Gilt brass. 2-3/8" long minute hand with 1.8mm square bushing. Hour hand has 4.0mm bushing. **Was \$10.00.**

No. 33616	\$4.00 pair
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Gilt brass. Minute hand is 3" long with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$12.00.**

No. 00587	\$4.00 pair
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Brass. Used on Urgos and other clocks. 3-1/8" minute hand has 2.0mm square hole bushing. Bushed 4.0mm hour hand. **Was \$12.00.**

No. 33292	\$4.00 pair
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Black. 3-1/2" long minute hand with 1.8mm square mounting hole. Hour hand has 4.0mm bushing. **Was \$15.00.**

No. 33618	\$6.00 pair
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Gilt brass. 3-5/8" minute hand with 2.0mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$13.50.**

No. 00583	\$5.00 pair
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Stamped Gilt brass. Minute hand is 4" long from center of 1.5mm square mounting hole to tip. Bushed 4.25mm hour hand. **Was \$8.00.**

No. 01592	\$4.00 pair
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Gilt brass. 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$10.50-\$12.00.**

No. 00574	2-3/8" Minute Hand	\$3.50
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No. 00571	2-3/4" Minute Hand	\$4.00
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Gilt brass. Minute hand is 2-3/4" long with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$12.50.**

No. 00570	\$4.00 pair
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Clock Parts: Hands For Mechanical & Electric Movements



Brass. 3" minute hand with 1.9mm square hole bushing. 4.0mm diameter bushing in hour hand. **Was \$10.50.**

No. 00375 \$4.00 pair



Brass. 3" minute hand with 2.0mm square mounting hole. 4.0mm diameter hour hand mounting hole. **Was \$8.00.**

No. 33339 \$4.00 pair



Black steel. 3-1/8" long minute hand with 1.8mm square mounting hole. Hour hand has 4.0mm bushing. **Was \$12.50.**

No. 00564 \$4.50 pair



Gilt brass. Minute hand is 3-1/2" long with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$15.00.**

No. 00575 \$5.00 pair



Gilt brass. 4" long minute hand with 2.0mm square mounting hole (no bushing). Hour hand has 4.25mm round hole bushing. **Was \$15.00.**

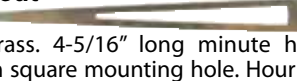
No. 33608 \$6.00 pair



Gilt steel. 4-1/4" long minute hand with 2.0mm square mounting hole. Hour hand has 4.0mm bushing. **Was \$15.00.**

No. 33600 \$6.00 pair

Fancy Urgos Hands- Closeout



Gilt brass. 4-5/16" long minute hand with 1.8mm square mounting hole. Hour hand has 4.0mm bushing. **Was \$15.00.**

No. 00566 \$6.00 pair



Gilt brass. Minute hand is 5-1/2" long with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$15.00.**

No. 00582 \$6.00 pair

French Fleur De Lys Hands



Bushings on both hands. Black.
No. 13068 1-1/8" Square **\$12.00 pair**
No. 13069 1-9/16" Square **\$12.50 pair**
No. 13070 2" Square **\$13.00 pair**
No. 13071 2-3/8" Square **\$13.50 pair**

Fleur De Lys Hands



Black. Oblong hole in minute hand. 2 bushings, one must be installed in the hour hand.

No. 23387 2-5/16" **\$4.50 pair**

No. 23388 2-7/16" **\$5.00 pair**

With hour hand bushing.

No. 13046 ... 2-9/16" Oblong **\$7.00 pair**

No. 13047 ... 2-9/16" Square **\$7.00 pair**

French Fleur De Lys Hands-Closeout



Gilt finish. 2-5/16" minute hand has 2.5mm square hole bushing. Hour hand has 4.5mm mounting hole. Swiss. **Was \$13.00.**

No. 33405 \$6.50 pair

French Breguet Hands



Bushings on both hands. Black.

No. 13080 1-1/8" Square **\$12.00 pair**

No. 13081 1-9/16" Square **\$12.50 pair**

No. 13082 2" Square **\$13.00 pair**

No. 13083 2-3/8" Square **\$13.50 pair**

French Spade Hands



Bushings on both hands. Black.

No. 13076 1-1/8" Square **\$12.00 pair**

No. 13077 1-9/16" Square **\$12.50 pair**

No. 13078 2" Square **\$13.00 pair**

No. 13079 2-3/8" Square **\$13.50 pair**

French Spade Hands- Diamond Tip-Black



No. 33228 1-9/16" Square **\$12.50 pair**

French Trefoil Hands-Closeout



Brass 4.5mm bushing on hour hand. Oblong mounting hole in minute hand. Black. **Was \$12.00.**

No. 33972 1-1/8" Square **\$4.00 pair**

French Trefoil Hands



Bushings on both hands. Black.

No. 13072 1-1/8" Square **\$12.00 pair**

No. 13073 1-9/16" Square **\$12.50 pair**

No. 13074 2" Square **\$13.00 pair**

No. 13075 2-3/8" Square **\$13.50 pair**

French Trident Hands

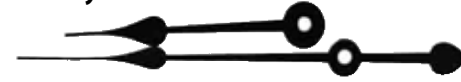


Bushings on both hands. Black.

No. 32907 1-5/8" Square **\$12.50 pair**

No. 32909 2-1/8" Square **\$13.00 pair**

Gallery Clock Hands



.038" unfinished steel hands with pilot holes. Included bushings must be installed.

No. 13170 6-1/8" **\$12.50 pair**

No. 13171 7-1/8" **\$14.00 pair**

No. 13172 8-1/4" **\$16.00 pair**

No. 13173 9-1/4" **\$17.50 pair**

No. 13179 15-1/4" **\$27.50 pair**

No. 13180 18-1/4" **\$33.00 pair**

Hansen Electric Movement Hands- "C" Style & Simplex



No. 29277



No. 29278



No. 29279

Fits Hansen movements with small diameter hand shafts (**No. 20063**, **No. 20064**, **No. 20067**, and **No. 20068**) by using the included friction adapter and hand nut. Modification is required to fit other hand shaft configurations. Black hands with red second hand.

No. 29277 . 6-3/4" for 15" dials **\$25.00 set**

No. 29278 . 8-1/4" for 18" dials **\$26.00 set**

No. 29279 10-3/4" for 24" dials **\$28.00 set**

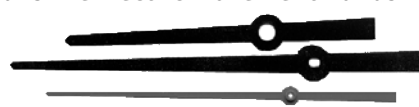
Jauch Hands-Closeout



Machined 5-1/4" minute hand as measured from center of 3.5mm square mounting hole to tip. Hour hand also has 3.5mm square mounting hole. **Was \$11.00.**

No. 01591 \$5.00 pair

Lanshire Electric Movement Hands



Black hands with red second hand.

No. 20489 5-1/4" Black **\$10.50 pair**

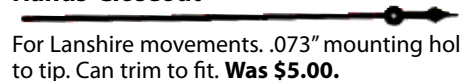
Lanshire Electric Movement Hands- Closeout



Black steel. Minute hand is 3-1/2" long with .093" round mounting hole. Hour hand has a .250" mounting hole. **Was \$8.00.**

No. 00550 \$4.00 pair

Lanshire Electric Movement Second Hands-Closeout



For Lanshire movements. .073" mounting hole to tip. Can trim to fit. **Was \$5.00.**

No. 00553 4" Gold **\$2.50 each**

No. 00554 4" Red **\$2.50 each**

No. 00555 5-3/4" Gold **\$2.50 each**

Clock Parts: Hands For Mechanical & Electric Movements

Lux-Keebler Style Hands



White metal with a bushed 1" long minute hand. Final fitting required.

No. 13181 \$1.50 pair

Maltese Hands-Black



No. 23286 1-3/4" Oblong
No. 23285 1-3/4" Square
No. 23288 2" Oblong
No. 23287 2" Square
No. 13131 2-1/4" Oblong
No. 13132 2-1/4" Square
No. 13044 2-1/2" Oblong
No. 13043 2-1/2" Square

\$2.00 pair

No. 33612 2-7/8" Oblong \$3.00 pair
No. 23317 5-9/16" Oblong \$4.50 pair
No. 13041 5-9/16" Square \$4.50 pair

Miscellaneous Hands-Black



No. 32354 50mm (2") \$3.00 pair



No. 32353 60mm (2-3/8") \$3.00 pair



No. 32367 90mm (3-1/2") \$3.50 pair

Moon Hands-Black



With hour hand bushings.

No. 13026 2-1/2" Oblong \$2.00 pair
No. 13027 2-1/2" Square \$2.00 pair

No Bushings (For #5 Banjo)

No. 13000 . 3-1/4" Heavy Square \$3.25 pair

Moon (Ingraham Ionic) Hands-Black



Square hole 3" minute hand. With 2 bushings, one of which to be installed in the hour hand.

No. 23390 \$5.50 pair

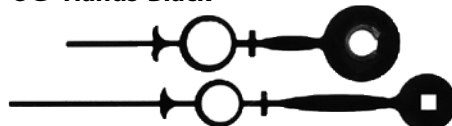
Moon Hands



Brass bushings in both black hands. 2mm square hole bushing in 3-7/16" minute hand.

No. 29752 \$5.50 pair
52

"OG" Hands-Black



No. 13029 3-1/2" Square \$3.25

Pam-Ad Electric Movement Hands



For Pam-Ad movements. Threaded red second. 6" black minute hand with oblong hole.

No. 13190 \$11.00 set

Threaded Second Hand Only

6" red metal hand. #2-56 mounting thread.
No. 32891 \$3.50 each

Pointer



Used for on/off and strike/silent dials. Blued steel with pilot hole drilled. 1-1/4" long.

No. 19302 \$9.75 each

Seikosha Clock Hands-Black



No. 29486

No. 29487

No. 29488

Used on many old clocks. Bushed hour hand.

No. 29486 2-1/2" \$2.50 pair

No. 29487 3-3/8" \$2.75 pair

No. 29488 5-3/8" \$3.00 pair

Serpentine Hands



Black with 2.5mm square minute hand bushing. 4.5mm round hour hand bushing.

No. 11537 2-1/2" \$3.50 pair

No. 11538 3-7/16" \$4.00 pair



Black. For current production Hermle and other clocks. 2.0mm square minute hand bushing. 4.5mm round hour hand bushing.

No. 13182 1-3/4" \$5.25 pair

No. 13191 2-3/8" \$6.00 pair

No. 01604 Brass 2-3/8" \$6.00 pair

No. 17824 2-3/4" \$6.50 pair

No. 13184 3" \$6.50 pair

No. 01752 Brass 3" \$6.50 pair

No. 13185 3-1/2" \$6.75 pair

No. 13186 4-1/16" \$7.00 pair

No. 01603 . Brass 4-1/16" \$7.00 pair

No. 13187 4-3/4" \$7.50 pair

No. 01753 4-7/8" \$7.50 pair

No. 13188 6-1/4" \$8.00 pair

No. 29018 . Brass... 6-1/4" \$8.00 pair



No. 32364 117mm (4-5/8") \$3.50 pair



No. 32365 . 110mm (4-3/8") \$3.50 pair

No. 32366 130mm (5") \$3.75 pair

Serpentine Style Hands-Closeout



Black stamped aluminum. Used on Westclox and others. 1-3/8" minute hand. 4.0mm hour hand mounting hole, no bushing. **Was \$4.00.**

No. 00557 \$2.00 pair



Used on Urgos. 2-3/8" long minute hand. Bushed 4.0mm hour hand. 2.0mm square minute hand mounting hole. **Was \$12.50.**

No. 33321 Brass \$4.00 pair

No. 33589 Black \$4.00 pair



Brass. No bushings. Minute hand is 4" long. 1.75mm pilot holes both hands. **Was \$15.00.**

No. 33894 \$6.00 pair



Brass. No bushings. Minute hand is 5-7/8" long with 2.75mm mounting hole. 1.8mm round hour hand mounting hole. **Was \$18.00.**

No. 33598 \$8.00 pair



Brass. Minute hand with 4.0mm square mounting hole. 6.5mm diameter hour hand hole. **Was \$15.00-\$22.50.**

No. 00547 .. 5-7/8" Minute Hand \$5.00 pair

No. 33368 .. 6-1/4" Minute Hand \$7.50 pair

Serpentine Grandfather Hand Set



Cast brass. 6-1/2" minute hand. Square mounting hole in hour hand. No bushings. 1-5/8" second hand with a 7/16" long mounting post.

No. 29399 \$16.50 set



Brass. For Urgos and others. Minute hand is 6-1/4" long with 2.0mm square mounting hole. 4.0mm diameter hour hand mounting hole. **Was \$15.00.**

No. 33337 \$6.00 pair

Clock Parts: Hands For Mechanical & Electric Movements



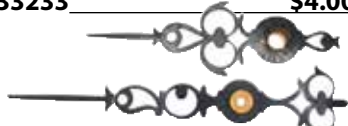
Brass. For Urgos and others. 1-3/4" minute hand with 2.0mm square mounting hole. 4.0mm hour hand mounting hole. **Was \$12.00.**

No. 33338 \$4.00 pair



Black. 1-7/8" long minute hand with 2.35mm square mounting hole. Hour hand bushing is 4.0mm diameter. **Was \$12.50.**

No. 33233 \$4.00 pair



2-5/8" minute hand with 2.0mm square hole brass bushing. Hour hand has a 5.0mm round hole brass bushing. **Was \$8.50.**

No. 33583 \$3.00 pair



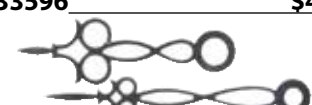
Gilt brass. Minute hand is 3-5/8" long with 1.8mm square bushed mounting hole. 4.0mm bushed hour hand. **Was \$13.50.**

No. 00588 \$4.50 pair



Black. No bushings. 3-7/8" long minute hand with 7.5mm round mounting hole. 10.5mm hour hand mounting hole. **Was \$12.50.**

No. 33596 \$4.50 pair



Black. No bushings. 3-7/8" long minute hand with 7.5mm mounting hole. 10.0mm hour hand mounting hole. **Was \$8.00.**

No. 33231 \$3.00 pair



Black. No bushings. 5" long minute hand with 7.5mm round mounting hole. Hour hand has 10.5mm round mounting hole. **Was \$15.00.**

No. 33597 \$6.00 pair

Seth Thomas Fashion Hands



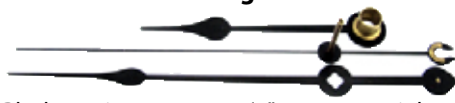
Square hole in minute hand. With 2 bushings, one must be installed in the hour hand. Black. **No. 23391 3-5/8" \$9.50 pair**

Seth Thomas #2 Style Hands



Bushings for both black hands provided (installation required). 5-1/2" minute hand. **No. 18926 \$6.00 pair**

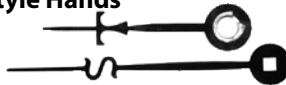
Seth Thomas #19 Regulator Hands



Black 3-piece set. 5-1/2" counterweighted minute hand has a 5.5mm square mounting hole (no bushing). 9.0mm ID hour hand bushing. 1.6mm ID counterweighted second hand bushing. Can be used on other clocks.

No. 32151 \$22.00 set

"ST" Style Hands



The size listed is the length of minute hand.

No. 18407 1-7/8" Square

No. 13028 2-5/8" Square

\$3.00 pair \$8.25/3 (\$2.75)

Spade Ship's Bell Hands-Closeout



Black. 1-5/16" minute hand with oblong hole measuring 1.75mm wide x 2.2mm long. 3.4mm bushed hour hand. **Was \$12.00.**

No. 01094 \$4.00 pair

Spade Hands With Hole-Black



No. 13024 2-1/2" Oblong

No. 13025 2-1/2" Square

\$2.00 pair \$5.25/3 (\$1.75)

Spade Hands-Black



No. 19350 1-13/16" Square \$2.00 pair

No. 13129 2-1/8" Oblong \$2.00 pair

No. 19351 2-1/8" Square \$2.00 pair

No. 13059 2-1/4" Oblong \$2.00 pair

No. 13060 2-1/4" Square \$2.00 pair

No. 13022 2-1/2" Oblong \$2.00 pair

No. 13023 2-1/2" Square \$2.00 pair

No. 23289 3-5/8" Oblong \$2.25 pair

No. 13058 3-5/8" Square \$2.25 pair

No. 13064 4-5/8" Square \$2.50 pair

No. 33717 5-1/8" Oblong \$3.00 pair

No. 13004 5-1/2" Oblong \$3.25 pair

Spade Hands



Black. With bushings. For current production Hermle and other clocks. The size listed is the length of the minute hand.

No. 20101 1-3/4" \$4.00 pair

No. 20102 2-1/2" \$5.00 pair

No. 20103 3" \$7.00 pair

No. 33568 3-5/8" \$7.50 pair

No. 20104 4-3/8" \$8.00 pair

No. 01297 5-1/8" \$10.50 pair

No. 20105 5-1/2" \$12.00 pair

Spade Hands-Closeout



Black. 2" long minute hand with 2.0mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$10.00.**

No. 00561 \$3.50 pair



Black. 2" long minute hand with 2.0mm square hole bushing. 5.0mm diameter bushing on hour hand. **Was \$10.00.**

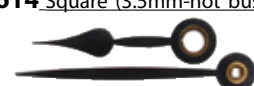
No. 33341 \$3.50 pair



Black. 2" long minute hand. 5.25mm hour hand bushing. **Was \$4.50.**

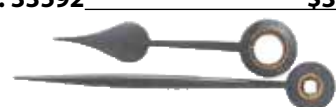
No. 33613 Oblong \$2.00

No. 33614 Square (3.5mm-not bushed) \$2.00



Black. 2-1/8" long minute hand with 2.25mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$10.00.**

No. 33592 \$3.50 pair



Black. 2-1/4" long minute hand with 2.25mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$10.00.**

No. 00562 \$3.50 pair



Black. 2-7/8" long minute hand. Bushed 5.0mm hour hand. Minute hand is 2.0mm square mounting hole. **Was \$6.00.**

No. 33235 \$2.00 pair



Black. Bushed 5.0mm hour hand. Minute hand is 2.0mm square mounting hole. **No. 33237 3-3/16" Minute Hand \$2.25**

No. 33239 4" Minute Hand \$2.50



Black. 3-1/4" long minute hand with 2.0mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$12.00.**

No. 33595 \$4.50 pair



Black. 2.0mm square bushed mounting hole to tip. Bushed 5.25mm hour hand. **Was \$12.00-\$13.50.**

No. 33620 3-3/8" Minute Hand \$4.00

No. 33619 4" Minute Hand \$4.50



Black oblong mounting hole and bushed hour hand. Minute hand is 3-1/2" long. 2.0mm square hole bushing. 5.0mm diameter bushing on hour hand. **Was \$3.00.**

No. 33294 \$1.00 pair



Black steel. 3-3/4" minute hand with oblong mounting hole. Bushed 5.0mm hour hand. **Was \$7.50.**

No. 33611 \$3.00 pair

Clock Parts: Hands For Mechanical & Electric Movements



Black. 2-3/4" long minute hand with 2.0mm square mounting hole. Hour hand has 5.0mm bushing. **Was \$12.50.**

No. 00560 \$4.00 pair



Black. 2-3/4" long minute hand with 2.0mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$12.50.**

No. 33591 \$4.00 pair



Black. 2-3/8" long minute hand with 3.5mm square mounting hole (no bushing). Hour hand has 5.0mm round hole bushing. **Was \$7.50.**

No. 33605 \$3.00 pair



Black. Used on Urgos. 3-3/8" long minute hand with 2.0mm square mounting hole. Hour hand has 4.0mm round mounting hole. **Was \$8.00.**

No. 01605 \$4.00 pair



Black. 4-3/8" minute hand (no bushing) 3.5mm square mounting hole in minute hand. Hour hand is bushed with a 5.0mm diameter mounting hole. **Was \$2.50.**

No. 33340 \$1.00 pair

No. 33715 Oblong Hole \$1.00 pair



Black. Used on Urgos. 4-3/8" long minute hand with 2.0mm square mounting hole. Hour hand has 4.0mm round mounting hole. **Was \$12.00.**

No. 33599 \$5.00 pair



Black. 2-3/4" long minute hand with 2.0mm square mounting hole. Hour hand has 5.0mm bushing. **Was \$7.50.**

No. 33236 \$2.00 pair



Black. 2-3/4" long minute hand with 2.0mm square mounting hole. Hour hand has 5.25mm bushing. **Was \$12.50.**

No. 33594 \$4.00 pair



Black. 2-3/4" long minute hand (no bushing). Hour hand has 5.25mm round hole bushing. **Was \$7.50.**

No. 33602 3.5mm Square Hole \$3.00 pair

No. 33603 Oblong Hole \$3.00 pair

54



Black. 3-1/2" long minute hand from center of oblong mounting hole to tip. Hour hand has 5.00mm bushing. **Was \$8.00.**

No. 01594 \$3.00 pair



Black. 5" long minute hand. 2.25mm square minute hand mounting hole. Hour hand has 5.00mm bushing. **Was \$15.00.**

No. 33593 \$6.00 pair



Black. 5-3/8" long minute hand with 2.0mm square mounting hole. Hour hand has 5.0mm round hole bushing. **Was \$15.00.**

No. 33606 \$6.00 pair



Black. 2-1/4" minute hand with 3.5mm square mounting hole. 5.0mm bushed hour hand. **Was \$3.00.**

No. 01454 \$1.50

No. 01453 Oblong Minute Hand \$1.50



Black. 2-1/2" minute hand with 3.5mm square mounting hole. 5.0mm bushed hour hand. **Was \$3.00.**

No. 01272 \$1.50

No. 01271 Oblong Minute Hand \$1.50



Black. 5-1/2" minute hand with 3.5mm square mounting hole. 5.0mm bushed hour hand. **Was \$6.00.**

No. 01451 \$3.00 pair



Black. 5-3/4" minute hand with 3.0mm square mounting hole. Hour hand is 4" long with 3.0mm round mounting hole. **Was \$10.00.**

No. 33587 \$5.00 pair

Stick & Sword Hands-Closeout



Stamped brass. 2-1/4" minute hand with 2.0mm square bushing. Hour hand bushing is 5.0mm. **Was \$12.00.**

No. 33332 \$3.00 pair



Gilt brass. 2-1/2" minute hand with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$10.50.**

No. 00580 \$3.50 pair



Gilt brass. 3-1/2" minute hand with 2.0mm square bushed hole. Hour hand has 4.25mm bushing. **Was \$12.50.**

No. 00569 \$4.50 pair



Black. 4-5/8" long minute hand with 2.0mm square hole (no bushing). Hour hand has 4.5mm round hole bushing. **Was \$12.50.**

No. 33607 \$5.00 pair



Gilt brass. 3-1/8" minute hand with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$12.00.**

No. 00584 \$4.00 pair



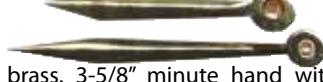
Gilt brass. 3-3/8" minute hand with 1.8mm square bushed mounting hole. Bushed 4.0mm hour hand. **Was \$15.00.**

No. 00576 \$5.00 pair



Gilt brass. 3-1/2" minute hand with 1.8mm square bushed hole. Bushed 4.0mm hour hand. **Was \$13.50.**

No. 00581 \$4.50 pair



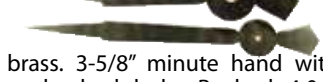
Gilt brass. 3-5/8" minute hand with 1.8mm square bushed hole. Bushed 4.0mm hour hand. **Was \$13.50.**

No. 00585 \$4.50 pair



Gilt brass. 4-1/2" minute hand with 1.8mm square bushed hole. Bushed 4.0mm hour hand. **Was \$15.00.**

No. 00579 \$6.00 pair



Gilt brass. 3-5/8" minute hand with 1.8mm square bushed hole. Bushed 4.0mm hour hand. **Was \$15.00.**

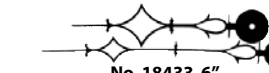
No. 00572 \$5.00 pair

Tall Case Hands-Steel

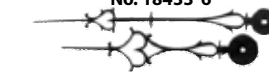
Heavy blued steel. High quality. Pilot holes in both hour and minute hands. Trim to fit.



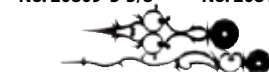
No. 18432 6"



No. 18433 6"



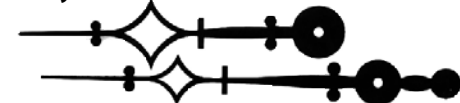
No. 20809 5-5/8"



No. 20810 6"

No. 20781 5"	No. 18431 5-5/8"	No. 18434 6"
5" Hands	.....	\$39.50 pair
5-5/8" Hands	.....	\$40.00 pair
6" Hands	.....	\$40.50 pair

Terry Hands-Black



Size listed is the length of the minute hand.
No. 13056 4-1/2" No Bushings \$4.00 pair

Clock Parts: Hands For Mechanical & Electric Movements

Terry Hands-Black



No. 23294



No. 23293

Heavy steel. With pilot holes in both hands.

No. 23294 4-5/8" **\$14.00 pair**

No. 23293 4-3/8" **\$12.00 pair**

Trefoil Hands- Closeout

Black. 1-1/8" minute hand with oblong mounting hole. 4.0mm bushed hour hand. **Was \$9.00.**

No. 01264 **\$3.00 pair**



Black. 2-1/2" minute hand has an oblong mounting hole. Bushed 5.0mm hour hand. Germany. **Was \$7.50.**

No. 33609 **\$3.00 pair**



Black. 3-1/2" minute hand with 4.0mm square hole. Hour hand is 2-1/2" long with 4.5mm round bushed hole. **Was \$9.50.**

No. 33588 **\$4.50 pair**



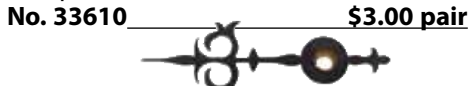
Black. Used on Urgos regulators and other clocks. 3-1/2" minute hand with 4.0mm square mounting hole. 6.5mm bushed hour hand. **Was \$10.00.**

No. 01269 **\$4.00 pair**

Reverse Trident Hands-Closeout

Black. 1-5/8" minute hand has oblong mounting hole. Bushed 4.25mm hour hand. **Was \$7.50.**

No. 33610 **\$3.00 pair**



Black. 3" minute hand has oblong mounting hole. Bushed 5.0mm hour hand. **Was \$3.00.**

No. 33293 **\$1.00 pair**



Vienna Hands



Black hands. Brass bushings on both hands. Minute hand length is shown.

No. 13037 2-5/8" **\$10.00 pair**

No. 20411 3-3/8" **\$13.00 pair**

Vienna Hands-Closeout



Black. 5-7/8" minute hand with oblong mounting hole. 5.0mm bushed hour hand. **Was \$12.50.**

No. 33323 **\$4.00 pair**

Welch Patti Hands



Black. 2-1/4" minute hand has an oblong mounting hole. Bushings provided. One must be installed in the minute hand.

No. 23389 **\$8.00 pair**

Zaandam Hands-Cast



Brass plated. 2-3/8" long minute hand with undrilled locating holes. No bushings.

No. 18267 **\$19.50 pair**

Zappler Clock Hand-Closeout

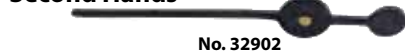


3/4" (19mm) long minute hand. With 1.65mm mounting hole bushing. 2.9mm hour hand bushing. Stamped. **Was \$5.00.**

No. 01043 Black **\$2.50 pair**

No. 01044 Gold **\$2.50 pair**

Clock Parts: 2nd Hands For Mechanical Movements Second Hands



No. 32902



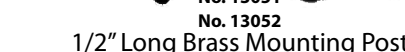
No. 01270 Regulator
No. 13020 #2 Regulator



No. 13018



No. 13051



No. 13052

1/2" Long Brass Mounting Post

No. 32902 1" Black **\$4.50 each**

1/2" Long Brass Mounting Post

No. 01270 7/8" Black **\$2.50 each**

1" Long Brass Mounting Post

No. 13020 1-7/16" Black **\$3.25 each**

1/2" Long Brass Mounting Post

No. 13018 1-3/16" Black **\$2.75 each**

1-1/4" Long Brass Mounting Post

No. 13051 1-7/8" Brass **\$3.00 each**

No. 13052 1-7/8" Black **\$3.00 each**

Second Hands- Hermle Style



3/4" black hand fits a 1-1/2" track. For Hermle, Kieninger and other clocks.

No. 19843 1/2" Shaft **\$5.25 each**

No. 22967 9/16" Shaft **\$5.50 each**

No. 29554 15/16" Shaft **\$3.00 each**

No. 29314 1-1/8" Shaft **\$3.00 each**

No. 13127 1-5/16" Shaft **\$5.00 each**

No. 29315 1-1/2" Shaft **\$3.50 each**

Second Hand-Chelsea



5/8" long for 1-1/4" track. Brass mounting post is 5/16" long. Black.

No. 24680 **\$14.50 each**

Setting Hand-Chelsea Fast/Slow



Used on many Chelsea clocks. 7/16" from center of .072" square mounting hole to tip. 7/32" long mounting shaft. Paint as required.

No. 32359 **\$17.50 each**

Second Hands- Grandfather



1-5/8" long. 1-1/4" long brass mounting shaft.

No. 13121 Black **\$3.00 each**

No. 13177 Brass **\$3.00 each**

Second Hands- Kieninger



1" black hand fits a 2" track.

No. 32980 1" Shaft **\$6.50 each**

No. 23489 1-1/4" Shaft **\$6.50 each**

No. 18871 1-3/4" Shaft **\$6.50 each**

Calendar/Second Hands-Tall Case



No. 20811



No. 18435



No. 18436

Black steel. 1-5/8" long hand with 1-1/4" brass bushing which must be installed.

\$9.50 each

Second Hand

Black. With a brass bushing you must install.



Seth Thomas #3

No. 20794 1-7/8" **\$5.75 each**

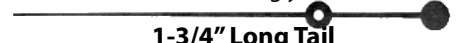


Seth Thomas Ship's Clock

No. 20790 15/16" **\$4.00 each**

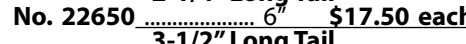
Sweep Second Hands

Black. With a brass bushing you must install.



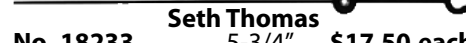
1-3/4" Long Tail

No. 22649 4" **\$17.50 each**



2-1/4" Long Tail

No. 22650 6" **\$17.50 each**



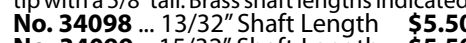
3-1/2" Long Tail

No. 22651 6" **\$17.50 each**



Seth Thomas

No. 18233 5-3/4" **\$17.50 each**



Black hand for UW32 and others. 3/4" center to tip with a 5/8" tail. Brass shaft lengths indicated.

No. 34098 13/32" Shaft Length **\$5.50**

No. 34099 15/32" Shaft Length **\$5.50**

No. 33904 9/16" Shaft Length **\$5.50**

No. 34100 15/16" Shaft Length **\$5.50**

No. 34101 1-3/8" Shaft Length **\$5.50**

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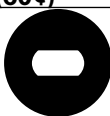
Clock Parts:

"I"-Shaft Hand For Quartz Movements

"I-Shaft" hands fit most battery quartz movements. The size listed is the length of the minute hand. All are priced at **75¢** a pair unless otherwise specified.

75¢ pair \$7.20/ 12 (60¢)

Minute hand hole is .112" wide x .158" long. Hour hand hole diameter is .198".



Size listed is the length of the minute hand.

No. 13091	1-3/8" Black
No. 13092	1-3/8" Gold
No. 01608	1-7/8" Black
No. 13101	2-3/4" Black
No. 13102	2-3/4" Gold
No. 13007	3-1/4" Black
No. 13145	3-5/16" Gold

No. 01595	2-3/8" Gold
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No. 01597	2-1/2" Black
No. 01598	2-1/2" Gold

No. 01602	2-5/8" Gold
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No. 01596	2-3/4" Black
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No. 29563	3-7/8" Black
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No. 19865	1-3/4" Black
No. 01607	1-3/4" Gold

No. 00544	2-3/4" Gold
No. 17107	3-1/4" Black
No. 00545	3-1/4" Gold

No. 00945	1-3/4" Gold
No. 13156	2-1/16" Black
No. 13157	2-1/16" Gold
No. 13032	3" Gold
No. 17105	3" Black

56

No. 13140	1-3/8" Black
No. 13141	1-3/8" Gold
No. 33910	1-13/16" Black
No. 16738	2-1/16" Black
No. 13112	2-1/16" Gold
No. 13097	2-1/2" Black
No. 13098	2-1/2" Gold
No. 13105	3-1/8" Black
No. 13106	3-1/8" Gold
No. 13194	4-1/8" Black
No. 13195	4-1/8" Gold
No. 01599	4-3/4" Black
No. 13111	4-3/4" Gold

No. 33896	3-3/8" Black
No. 00591	3-3/8" Gold

No. 11536	3-7/16" Black
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No. 23526	1-1/2" Black
No. 23527	2-3/8" Black

No. 00592	2-1/2" Black
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No. 33911	2-3/8" Black
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No. 32349	2-1/2" Black
No. 32363	2-1/2" Gold
No. 33912	3-9/16" Black
No. 33929	4" Black

No. 13093	1-11/16" Black
No. 13094	1-11/16" Gold
No. 13008	1-15/16" Black
No. 16740	2-1/8" Black
No. 16741	2-1/8" Gold
No. 17720	2-1/2" Black
No. 17721	2-1/2" Gold
No. 00542	2-1/2" Gold
No. 13103	2-3/4" Black
No. 13104	2-3/4" Gold
No. 32350	3" Black
No. 32362	3" Gold
No. 13009	3-3/8" Black
No. 33935	3-3/4" Black
No. 13152	4" Black
No. 13153	4" Gold
No. 32352	4-5/16" Black
No. 32360	4-5/16" Gold
No. 13031	4-9/16" Black
No. 16743	4-9/16" Gold
No. 13115	5-1/4" Black
No. 19840	5-1/2" Black

No. 33617	1-1/2" Gold
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No. 01600	1-1/2" Black
No. 01601	2-1/8" Gold

No. 17102	1-7/8" Black
No. 17103	1-7/8" Gold
No. 13095	2-1/4" Black
No. 13096	2-1/4" Gold

No. 13099	2-5/8" Black
No. 13100	2-5/8" Gold
No. 13192	3-5/8" Black
No. 13193	3-5/8" Gold

No. 11448	3-1/4" Black
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No. 12707	4-3/4" Black
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No. 32351	3-3/16" Black
No. 32361	3-3/16" Gold

No. 13148	4-1/4" Black
No. 13149	4-1/4" Gold

No. 16745	2-1/8" Black
No. 16746	2-1/8" Gold
No. 13107	3-3/8" Black
No. 13108	3-3/8" Gold
No. 29033	3-13/16" Black

75¢ pair \$7.20/ 12 (60¢)

"I-Shaft" Hand Assortment



25 pairs for quartz movements from 1" to 4-1/4" long. Assorted styles, shapes and colors.

No. 20402 \$10.00 pack

Clock Parts:

Longer "I" Shaft Hands For Quartz Movements

Longer hands may require adding a small weight to the counter-balanced end.

No. 18447	6-1/4" Black	\$2.00 pair
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Clock Parts:

Longer "I" Shaft Hands For Quartz Movements

No. 33926 9-13/16" Black \$7.00 pair

No. 17110 6-7/8" Black \$2.25 pair
No. 23528 8" Black \$2.50 pair
No. 33940 **NEW** 9" Black \$4.00 pair

No. 19900 8-1/8" Unfinished \$9.50 pair
NEW

No. 20684 10" Black \$7.00 pair
No. 20685 12" Black \$8.50 pair
No. 33938 14" Black \$12.00 pair
No. 33939 17-3/4" Black \$13.00 pair

No. 33927 10-1/2" Black \$9.50 pair
No. 33928 12-3/4" Black \$10.50 pair

No. 23547 9-5/16" Black \$4.50 pair
NEW

No. 33930 5-7/8" Black \$3.00 pair
No. 33931 6-1/4" Black \$3.25 pair
No. 33932 6-7/8" Black \$3.50 pair
No. 33933 8-3/16" Black \$4.00 pair
No. 33934 10-13/16" Black \$6.75 pair
No. 33548 12" Black \$7.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33936 6-7/8" Black \$8.25 pair
No. 23604 7-1/8" Black \$8.50 pair
No. 29175 8-1/8" Unf. \$9.00 pair
No. 33937 8-5/8" Black \$9.25 pair
No. 23605 9-1/8" Black \$9.25 pair
No. 19901 10-5/8" Unf. \$9.50 pair
No. 33941 12-3/4" Black \$10.00 pair
No. 20259 15-1/4" Unf. \$13.00 pair

Supplied blackened or unfinished as shown.

No. 33936 6-7/8" Black \$8.25 pair
No. 23604 7-1/8" Black \$8.50 pair
No. 29175 8-1/8" Unf. \$9.00 pair
No. 33937 8-5/8" Black \$9.25 pair
No. 23605 9-1/8" Black \$9.25 pair
No. 19901 10-5/8" Unf. \$9.50 pair
No. 33941 12-3/4" Black \$10.00 pair
No. 20259 15-1/4" Unf. \$13.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

No. 33920 5-5/16" Black \$2.00 pair
No. 33921 5-3/4" Black \$2.50 pair
No. 33922 6-1/16" Black \$3.00 pair
No. 33923 7-7/8" Black \$5.75 pair
No. 20683 8" Black \$6.00 pair
No. 33924 9-9/16" Black \$6.50 pair
No. 29157 10" Black \$7.25 pair
No. 33925 14" Black \$8.00 pair
No. 19905 17-3/4" Black \$9.00 pair

Clock Parts:

Push-On Hands For Quartz Movements

These hands only fit push-on style quartz movements. The size listed is the length of the minute hand from the center of the mounting hole to the tip.

75¢ pair \$7.20/ 12 (60¢)

No. 33913 1-7/16" Black **NEW**

No. 33914 2-3/8" Black **NEW**

No. 33915 4" Black **NEW**

No. 24182 4-1/8" Black **NEW**

No. 33916 1-7/8" Black **NEW**

No. 33917 2-13/16" Black **NEW**

No. 24186 1-15/16" Black **NEW**

No. 20554 2-3/4" Black **NEW**

No. 33919 2-1/8" Black **NEW**

No. 00043 2-1/8" White

No. 12747 2-9/16" Black **NEW**

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

Fits No. 33884 and No. 33885 carriage clock movements, but can be used on others. Can trim to fit.

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

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No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

No. 33963 1" Black \$1.50
No. 33964 1-1/8" Black \$1.50
No. 33965 2nd Hand 1-1/8" Black 50¢

Clock Parts:

For No. 30469 Pendulum Movement

No. 13854 2-13/16" Black

No. 23690 3-7/8" Black

75¢ pair

Clock Parts:
Calendar Hand For #29119 & #29016 Quartz Movements

No. 29111 5-1/8" Red \$1.50 each

Clock Parts:
2nd Hands For Quartz Movements

For most quartz movements. The measurement indicated is the length of the second hand center to tip.

50¢ each \$4.80/ 12 (40¢)

No. 32709 1-3/8" Black
No. 32722 1-3/8" Red
No. 32711 3-1/2" Black
No. 32724 3-1/2" Black

No. 32708 7/8" Black
No. 32721 7/8" Red
No. 32712 1-9/16" Black
No. 32725 1-9/16" Red

No. 32369 1-1/16" Black
No. 32730 1-1/16" Red

No. 13168 1-3/8" Black
No. 13169 1-3/8" Gold
No. 16719 1-3/8" Red
No. 00946 1-1/2" Gold
No. 16720 1-3/4" Black
No. 16721 1-3/4" Gold
No. 16722 1-3/4" Red
No. 00944 2" Black
No. 16731 2-3/8" Red
No. 16729 2-1/2" Black

No. 19867 1-1/8" Gold
No. 13166 1-3/4" Black
No. 33977 **NEW** 2-1/4" Black
No. 16735 3" Black
No. 16736 3" Gold
No. 16737 3" Red

No. 12708 1-1/4" Black

No. 19869 2" Black
No. 19871 2" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

No. 32710 2-9/16" Black
No. 32723 2-9/16" Red

Clock Parts:

2nd Hands For Quartz Movements

No. 12709 2-9/16" Black

No. 32713 1-15/16" Black
 No. 32726 1-15/16" Red
 No. 16726 2-3/8" Black
 No. 16727 2-3/8" Gold
 No. 16728 2-3/8" Red
 No. 00541 3" Black
 No. 00540 3" Gold
 No. 33334 3-1/2" Black
 No. 33799 3-1/2" Gold
 No. 13158 4" Black
 No. 13159 4" Gold

No. 16723 2-3/4" Black
 No. 16724 2-3/4" Gold
 No. 16725 2-3/4" Red

No. 16732 2-3/8" Black
 No. 16733 2-3/8" Gold
 No. 16734 2-3/8" Red
 No. 19007 3-7/16" Black

No. 13163 3" Gold

No. 16750 3" Black
 No. 16751 3" Gold
 No. 16749 3" Red

No. 32705 3-1/4" Black
 No. 32718 3-1/4" Red

No. 32714 3-1/2" Black
 No. 32727 3-1/2" Red

No. 32368 2-3/8" Black
 No. 32729 2-3/8" Red

No. 32706 2-13/16" Black
 No. 32719 2-13/16" Red
 No. 32707 4-1/2" Black
 No. 32720 4-1/2" Red

No. 32370 3-1/2" Black
 No. 32733 3-1/2" Red
 50¢ each \$4.80/ 12 (40¢)

Clock Parts

Longer 2nd Hands for Quartz Movements

No. 33976 **NEW** 4-3/8" Black 75¢ each

No. 33906 **NEW** 4-1/2" Black 75¢ each

No. 33907 4-11/16" Black 75¢ each

No. 32703 4-3/4" Black 75¢ each
 No. 32716 4-3/4" Red 75¢ each
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NEW

No. 33908 5-1/8" Black \$1.00 each
 No. 33909 5-7/8" Black \$1.00 each

No. 33230 5-1/4" Red \$1.00 each
 No. 32731 5-3/4" Black \$1.00 each
 No. 32732 5-3/4" Red \$1.00 each

No. 13761 5-15/16" Black \$1.00 each

No. 32715 3-3/4" Black 75¢ each
 No. 32728 3-3/4" Red 75¢ each

No. 33550 **NEW** 4" Gold 75¢ each

No. 32704 4-5/16" Black 75¢ each
 No. 32717 4-5/16" Red 75¢ each

Second Hand Assortment

For quartz movements. From 1-1/8" to 3" long.
 25 assorted styles, shapes and colors.

No. 20403 \$8.00 pack

Clock Parts Hand Bushings & Hand Nuts

Brass Hand Bushings

Formed brass hand bushings.

No. 10423 1/4" OD Bushing 50¢ each

No. 10424 7/16" OD Bushing 50¢ each

12 Piece Hand Bushing Assortment

6 pieces each of 2 different sizes above.

No. 32398 \$4.00 pack

Hand Bushing-Brass

Split body. 5.5mm barrel OD x 4.5mm length.
 4.5mm barrel ID. Barrel length is 2.5mm.

No. 29710 \$1.00 each

I-Shaft Conversion

Washer 10-Pack

Brass washers for converting hands to standard quartz I-shaft mounting. Hole measures .058" wide x .198" oblong. The washers are .346" OD x .020" thick. Solder or glue in place.

No. 34049 \$2.50 pack

Brass Minute Hand Bushing-Closeout

Special 1/2 oblong mounting hole measures 6.5mm x 7.5mm. 12.0mm OD. Fits a 0.5mm hole. Used on German clock hands. Was \$1.00.
 No. 01257 50¢ each

Brass Minute Hand Bushing-Closeout

Square hole measures 3.5mm across flats. 10.0mm OD. Fits a 7.3mm hole. Was \$1.00.

No. 01256 50¢ each

Brass Hand Bushing Assortment



4 each of 6 different sizes.

No. 29174 \$8.00 pack

Hand Bushings



12 brass minute and hour hand bushings. For mechanical and quartz movements.

No. 21099 \$6.00 pack

Cuckoo Clock Hand Bushings



Brass 12 pack.

No. 32328 2.0mm square ID \$5.50

No. 11208 2.5mm square ID \$5.50

French Clock Hand Bushings



Brass. 2mm square on minute bushing and 4.5mm round hole hour bushing.

No. 11625 \$2.50 set

Hand Bushing Assortment



6 hour, 6 minute bushings. 2.2mm square. Fits Hermle and other movements.

No. 16900 \$8.50 pack

Hand Bushings-#2 Seth Thomas



For Seth Thomas and others. 1 minute, 1 hour bushing in a pack. 3.2mm square I.D. Brass.

No. 19259 \$2.25 pack

Quartz Second Hand Bushings-Brass



4mm and 6mm diameter brass 12-pack.

No. 20968 \$4.00 pack

Second Hand Pipe Assortment



12-pack of brass posts 9/16" to 1-3/16" long.

No. 23109 \$6.00 pack

Hand Nuts-Brass Inch Sizes



12 assorted hand nuts for American clocks.

No. 10408 \$5.75 pack

Clock Parts: Hand Bushings & Hand Nuts

Hand Nuts-Brass Metric Sizes



12 assorted pieces. For 2.0mm shafts. India.
No. 13707 **\$3.50 pack**

Hand Nuts-Cuckoo Clock-Metric Sizes



12 assorted brass cuckoo hand nuts.
No. 10539 **\$9.00 pack**

Hand Nuts-Metric Sizes



12 piece assortments. Two different styles in each. Fits Hermle and other movements.
No. 11269 Mantel, 400-Day, Shelf **\$6.50**
No. 19290 FloorClocks **\$10.00**

Hand Nut Assortment-Metric Sizes



Open and cap nuts. For #577 Hermle quartz and other movements. 12-piece assortment.
No. 23963 **\$9.00 pack**

Hand Nuts-Hubert Herr Cuckoo-Metric Sizes



12 assorted brass nuts and washers for KW-60, KW-75 (1-day) and KW-80 (8-day) movements.
No. 18301 **\$9.50 pack**

Hand Nuts-Kieninger-Metric Sizes



12 black nuts, 6 each of 2 different styles.
No. 18733 **\$11.50 pack**

Hand Nuts-Metric Sizes



12 assorted metric brass hand nuts.
No. 23713 **\$5.00 pack**

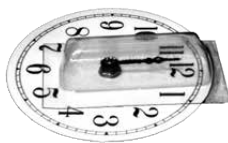
Clock Parts: Hands-Related

Perma Blue



Bluing solution for hands and other small parts. 3 fl. oz.
No. 20522 **\$10.00 each**

Hand Protectors



Use these clear plastic hand protectors when shipping or packaging clocks.

No. 19357 For Up To 3-7/8" Hands
No. 19358 For Up To 4-7/8" Hands
75¢ each

Hand Bushing Adjusting Tool



Steel shaft. Wood handle. For turning and adjusting square minute hand bushings. 7".
No. 19439 **\$7.50 each**

Tall Case Hand Retainers



Brass retainer holds hour hands on many English grandfather clocks. The dimension indicated is the width of the slot in the clip.

No. 17603 8.0mm **\$1.00 each**
No. 19841 8.5mm **\$1.00 each**
No. 19842 9.0mm **\$1.00 each**
No. 18789 10.0mm **\$1.00 each**

Tall Case Hand Retainer Assortment

2 pieces each of above 4 sizes.
No. 13284 **\$7.25 pack**

Clock Parts: Keys-Single End Key Conversion Chart

Key Size	American Sizes	Swiss Sizes	Watch Sizes
#00000	1.6mm	1.25mm	—
#0000	1.8mm	1.50mm	—
#000	2.0mm	1.75mm	—
#00	2.2mm	2.00mm	2.00mm
#0	2.4mm	2.25mm	1.90mm
#1	2.6mm	2.50mm	1.80mm
#2	2.8mm	2.75mm	1.75mm
#3	3.0mm	3.00mm	1.65mm
#4	3.2mm	3.25mm	1.60mm
#5	3.4mm	3.50mm	1.50mm
#6	3.6mm	3.75mm	1.40mm
#7	3.8mm	4.00mm	1.30mm
#8	4.0mm	4.25mm	1.20mm
#9	4.2mm	4.50mm	1.15mm
#10	4.4mm	4.75mm	1.05mm
#11	4.6mm	5.00mm	1.00mm
#12	4.8mm	5.25mm	0.95mm
#13	5.0mm	5.50mm	—
#14	5.2mm	5.75mm	—
#15	5.4mm	6.00mm	—
#16	5.6mm	6.25mm	—
#17	5.8mm	6.50mm	—
#18	6.0mm	6.75mm	—
#19	6.2mm	7.00mm	—
#20	6.4mm	7.25mm	—
#21	6.6mm	7.50mm	—
#22	6.8mm	7.75mm	—
#23	7.0mm	8.00mm	—
#24	7.2mm	8.25mm	—
#25	7.4mm	8.50mm	—

Herschede & Revere Electric Setting Key-Brass



Used on electric Herschede and Revere mantel clocks for fast/slow adjustments. China.
No. 11200 **\$10.50 each**

American Made Brass Keys



13/16" long shaft. Brass with brass plated steel wings for extra strength. American sizes.

No. 19934 #000 2.0mm
No. 19935 #00 2.2mm
No. 10044 #0 2.4mm
No. 10045 #1 2.6mm
No. 10046 #2 2.8mm
No. 10047 #3 3.0mm
No. 10048 #4 3.2mm
No. 10049 #5 3.4mm
No. 10050 #6 3.6mm
No. 10051 #7 3.8mm
No. 10052 #8 4.0mm
No. 10053 #9 4.2mm
No. 10054 #10 4.4mm
No. 10055 #11 4.6mm
No. 10056 #12 4.8mm

\$2.50 each \$28.20/ 12 (\$2.35)

\$112.50/ 50 (\$2.25)

Brass Key Assortment

One each of the above. 15 keys on a ring.

No. 15670 **\$32.00 set**

Keys-Nickel Plated Brass



Swiss sizes. India.

No. 32275 #00 2.00mm
No. 32276 #0 2.25mm
No. 32277 #1 2.50mm
No. 32278 #2 2.75mm
No. 32279 #3 3.00mm
No. 32280 #4 3.25mm
No. 32281 #5 3.50mm
No. 32282 #6 3.75mm
No. 32283 #7 4.00mm

\$2.25 each \$6.00/ 3 (\$2.00)

No. 32284 #8 4.25mm
No. 32285 #9 4.50mm
No. 32286 #10 4.75mm
No. 32287 #11 5.00mm
No. 32288 #12 5.25mm
No. 32289 #13 5.50mm
No. 32290 #14 5.75mm
No. 32291 #15 6.00mm
No. 32292 #16 6.25mm

\$2.75 each \$7.50/ 3 (\$2.50)

One each of the above. 18 keys on a ring.

No. 32293 **\$40.00 set**

Clock Keys-Commercial Grade Brass



Economical keys in popular sizes. India.

No. 17840 #6 3.6mm
No. 17841 #7 3.8mm
No. 17842 #8 4.0mm

\$2.00 each \$21.00 12 (\$1.75)

\$80.00/ 50 (\$1.60)

One each of above sizes on a key ring.

No. 12786 **\$5.50 set**

Seikosha Style Key-Nickel Plated Steel



For 8-day and 31-day clocks. India.

No. 19590 #6 3.75mm **\$2.25 each**
No. 32503 #8 4.25mm **\$2.25 each**
No. 32504 #10 4.75mm **\$2.25 each**

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Clock Parts: Keys-Single End

Brass Keys

Swiss sizes. India.

No. 32505	#000	1.75mm
No. 29577	#00	2.00mm
No. 29578	#0	2.25mm
No. 29579	#1	2.50mm
No. 29580	#2	2.75mm
No. 29581	#3	3.00mm
No. 29582	#4	3.25mm
No. 29583	#5	3.50mm
No. 29584	#6	3.75mm
\$2.25 each		\$6.00/ 3 (\$2.00)

No. 29585	#7	4.00mm
No. 29586	#8	4.25mm
No. 29587	#9	4.50mm
\$2.50 each		\$6.75/ 3 (\$2.25)

No. 29588	#10	4.75mm
No. 29589	#11	5.00mm
No. 29590	#12	5.25mm
No. 29591	#13	5.50mm
\$2.75 each		\$7.50/ 3 (\$2.50)

No. 29592	#14	5.75mm
No. 29593	#15	6.00mm
No. 29594	#16	6.25mm
No. 32506	#17	6.50mm
No. 32507	#18	6.75mm
\$3.00 each		\$8.25/ 3 (\$2.75)

Brass Key Assortment

One each of the above 21 keys on a ring.

No. 23913 \$42.50 set

Nickel Keys-Steel

Economical. Nickel plated. Swiss sizes. India.

No. 32526	#000	1.75mm
No. 29499	#00	2.00mm
No. 29500	#0	2.25mm
No. 29501	#1	2.50mm
No. 29502	#2	2.75mm
No. 23792	#3	3.00mm
No. 19250	#4	3.25mm
No. 19251	#5	3.50mm
No. 19252	#6	3.75mm
No. 19253	#7	4.00mm
No. 19254	#8	4.25mm
\$2.25 each		\$6.00/ 3 (\$2.00)

No. 29503	#9	4.50mm
No. 29504	#10	4.75mm
No. 29505	#11	5.00mm
No. 29506	#12	5.25mm
No. 29507	#13	5.50mm
No. 29508	#14	5.75mm
No. 29509	#15	6.00mm
No. 29510	#16	6.25mm
No. 32527	#17	6.50mm
No. 32528	#18	6.75mm
\$2.75 each		\$7.50/ 3 (\$2.50)

Long Shaft Brass Keys

Fits calendar and anniversary clocks. 1-5/16" shaft length. American sizes. USA.

No. 10103	#3	3.0mm
No. 10104	#4	3.2mm
No. 10105	#6	3.6mm
No. 10106	#8	4.0mm
No. 10107	#11	4.6mm
\$2.75 each		\$30.00/ 12 (\$2.50)

Long Shaft Key Assortment

One each of the above. 5 keys on a ring.

No. 15658 \$12.00 set
60

Extra Large Wing Brass Keys



For disabled or elderly. American sizes. USA.

No. 10179	#6	3.6mm
No. 10180	#7	3.8mm
No. 10181	#8	4.0mm
No. 10182	#10	4.4mm
No. 10183	#12	4.8mm
No. 29690	#13	5.0mm
No. 10058	#14	5.2mm
No. 23733	#16	5.6mm
\$3.25 each		\$36.00/ 12 (\$3.00)

Extra Large Wing Key Assortment

One each of the above 8 keys on a ring.

No. 15674 \$23.50 set

All-In-One Key Set



NEW

Easy to use brass 19-piece set contains 1 extra large winged master and 18 individual small ends to fit #000 through #15 in Swiss sizes. In a plastic box.

No. 34026 \$21.50 set

Extra Large Wing Brass Keys



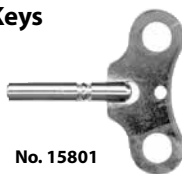
For disabled or elderly. Swiss sizes. India.

No. 32864	#000	1.75mm
No. 32865	#00	2.00mm
No. 32866	#0	2.25mm
No. 32867	#1	2.50mm
No. 32868	#2	2.75mm
No. 32869	#3	3.00mm
No. 32870	#4	3.25mm
No. 32871	#5	3.50mm
No. 32330	#6	3.75mm
No. 32331	#7	4.00mm
No. 32332	#8	4.25mm
No. 32333	#9	4.50mm
No. 32334	#10	4.75mm
No. 32335	#11	5.00mm
No. 32336	#12	5.25mm
No. 32337	#13	5.50mm
No. 32338	#14	5.75mm
No. 32339	#15	6.00mm
No. 323	#16	6.25mm
No. 32872	#17	6.50mm
No. 32873	#18	6.75mm
\$3.50 each		\$39.00/ 12 (\$3.25)

Hermle Nickel Plated Keys



No. 15802

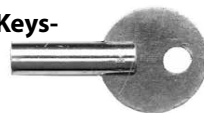


No. 15801

For Hermle. Swiss sizes.

No. 15802	#3	3.00mm	\$7.00 each
No. 15801	#7	4.00mm	\$5.00 each
One each of above sizes on a key ring.			
No. 12785			\$11.00 set

Lux & Keebler Keys-Nickel Plated



American sizes.

No. 10171	#1	2.6mm
No. 20815	#2	2.8mm
No. 10172	#3	3.0mm
\$1.75 each		\$18.00/ 12 (\$1.50)

Lux & Keebler Key Assortment

One each of the above. 3 keys on a ring.

No. 22882 \$4.25 set

Noelty Keys-American Made Brass



American sizes.

No. 10110	#00	2.2mm
No. 10111	#0	2.4mm
No. 10112	#1	2.6mm
No. 10113	#2	2.8mm
No. 10114	#3	3.0mm
No. 10115	#4	3.2mm
No. 10116	#5	3.4mm
\$2.50 each		\$27.00/ 12 (\$2.25)

Noelty Key Assortment

One each of the above 7 keys on a ring.

No. 19771 \$15.00 each

Chronometer Key-Brass



Ratchet key winds counterclockwise. #4 (3.2mm). American size. India.

No. 29763 Hamilton Chronometers \$27.00

Extra Long Shaft Keys



Swiss sizes. Brass. 1-7/8" long shafts. India.

No. 32546	#000	1.75mm
No. 29468	#00	2.00mm
No. 29469	#0	2.25mm
No. 29470	#1	2.50mm
No. 29471	#2	2.75mm
No. 29472	#3	3.00mm
No. 29473	#4	3.25mm
No. 29474	#5	3.50mm
No. 29475	#6	3.75mm
\$2.25 each		\$6.00/ 3 (\$2.00)

No. 29476	#7	4.00mm
No. 29477	#8	4.25mm
No. 29478	#9	4.50mm
\$2.50 each		\$6.75/ 3 (\$2.25)

No. 29479	#10	4.75mm
No. 29480	#11	5.00mm
No. 29481	#12	5.25mm
No. 29482	#13	5.50mm
No. 32874	#14	5.75mm
No. 32875	#15	6.00mm
\$3.50 each		\$9.75/ 3 (\$3.25)

No. 32876	#16	6.25mm
No. 32877	#17	6.50mm
No. 32878	#18	6.75mm
\$4.25 each		\$12.00/ 3 (\$4.00)

One each size #000 thru #18 on a ring. 21 keys.

No. 29483 \$53.50 set

Long Shaft Heavy Duty Steel Key



Nickel plated #6 (3.6mm) long shaft key for heavy duty winding. American size.

No. 33061 \$3.00 each

Clock Parts: Keys-Single End

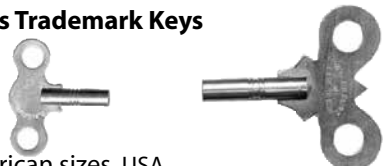
Brass Long Shaft Trademark Key- Schatz



Brass #3 (3mm) with Schatz logo. The shaft is 2-5/16" long. American size. USA.

No. 20413 \$4.00 each
\$11.25/3 (\$3.75)

Brass Trademark Keys



American sizes. USA.

No. 10174	Ansonia #6	3.6mm
No. 19983	Chelsea #000	2.0mm
No. 20412	Chelsea #3	3.0mm
No. 18223	Chelsea #5	3.4mm
No. 10186	Gilbert #6	3.6mm
No. 10175	Ingraham #6	3.6mm
No. 10176	Ithaca #7	3.8mm
No. 19561	Kroeber #6	3.6mm
No. 10199	New Haven #6	3.6mm
No. 15500	Sessions #6.5	3.7mm
No. 10187	S. Thomas #6	3.6mm
No. 22935	Waltham #000	2.0mm
No. 10177	Waterbury #6	3.6mm
No. 10178	Welch #7	3.8mm

\$3.75 each \$42.00/ 12 (\$3.50)

Chelsea-Early Style #5 Key

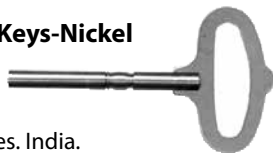


NEW

3.4mm brass key. Used on many older Chelsea clocks. No trademark, just like the originals.

No. 33792 \$3.75 each

French Keys-Nickel Plated



Swiss sizes. India.

No. 29564	#1	2.50mm
No. 29565	#2	2.75mm
No. 29566	#3	3.00mm
No. 29567	#4	3.25mm
No. 29568	#5	3.50mm
No. 29569	#6	3.75mm
No. 29570	#7	4.00mm
No. 29571	#8	4.25mm
No. 29694	#9	4.50mm
No. 29695	#10	4.75mm
No. 29696	#11	5.00mm
No. 31055	#12	5.25mm
No. 31056	#13	5.50mm
No. 31057	#14	5.75mm
No. 31058	#15	6.00mm
No. 31059	#16	6.25mm
No. 31060	#17	6.50mm
No. 31061	#18	6.75mm
No. 31062	#19	7.00mm

\$4.00/each \$11.25/ 3 (\$3.75)

19 pieces. One each of above keys on a ring.

No. 23443 \$62.00 set

German Style Nickel Keys-Swiss Sizes



Large keys for many current production German movements and others. China.

No. 32549 #8 (4.25mm) \$3.50 each
No. 32550 #9 (4.50mm) \$3.50 each

Novelty Key- Nickel Plated



German made keys for novelty clocks.

No. 10193 #2 2.75mm
\$1.25 each \$3.00/ 3 (\$1.00)

Clock Parts: Keys-Double End

Carriage Clock Keys-Cast Brass



Top quality. Brass finish. Swiss sizes. China.

No. 18878 ... #3/00	3.00/2.0mm	\$12.00
No. 18879 ... #4/00	3.25/2.0mm	\$12.00
No. 18880 ... #5/00	3.50/2.0mm	\$12.00
No. 18881 ... #6/00	3.75/2.0mm	\$12.00
No. 18882 ... #7/00	4.00/2.0mm	\$12.00

Carriage Clock Key



Gold plated brass. #3 (3.00mm) large end. #00000 (1.25mm) small end. Swiss size. China.

No. 29719 \$9.00 each

Carriage Clock Keys- Brass-American Sizes



No. 10120	#00/0000	2.2/1.8mm
No. 10121	#0/0000	2.4/1.8mm
No. 10122	#1/0000	2.6/1.8mm
No. 10123	#2/0000	2.8/1.8mm
No. 10124	#3/0000	3.0/1.8mm
No. 10125	#4/0000	3.2/1.8mm
No. 10126	#5/0000	3.4/1.8mm
No. 10127	#6/0000	3.6/1.8mm
No. 10128	#7/0000	3.8/1.8mm
No. 10129	#8/0000	4.0/1.8mm
No. 10130	#9/000	4.2/2.0mm

\$2.75 each \$15.00/ 6 (\$2.50)

One each of the above 11 keys on a ring.

No. 19772 \$26.50 set

Carriage Clock Keys-Swiss Sizes

Brass. India.

No. 32535	#1/00	2.50/1.95mm
No. 32536	#2/00	2.75/1.95mm
No. 32537	#3/00	3.00/1.95mm
No. 32538	#4/00	3.25/1.95mm
No. 32539	#5/00	3.50/1.95mm
No. 32540	#6/00	3.75/1.95mm

\$2.50 each \$13.50/6 (\$2.25)

One piece each of above 6 keys on a ring.

No. 32541 \$13.50 set

No. 32529	#1/000	2.50/1.75mm
No. 32530	#2/000	2.75/1.75mm
No. 32531	#3/000	3.00/1.75mm
No. 32532	#4/000	3.25/1.75mm
No. 32533	#5/000	3.50/1.75mm
No. 32534	#6/000	3.75/1.75mm

\$2.50 each \$13.50/6 (\$2.25)

Double End Brass Keys-American Size



Brass plated steel wings with brass shafts.

No. 10077	#4/0	3.2/2.4mm
No. 10078	#5/0	3.4/2.4mm
No. 10079	#6/0	3.6/2.4mm
No. 10080	#7/0	3.8/2.4mm
No. 10081	#8/0	4.0/2.4mm
No. 10082	#4/000	3.2/2.0mm
No. 10083	#5/000	3.4/2.0mm
No. 10084	#6/000	3.6/2.0mm
No. 10085	#7/000	3.8/2.0mm
No. 10086	#8/000	4.0/2.0mm
No. 23925	#6/0000	3.6/1.8mm
No. 10087	#4/00000	3.2/1.6mm
No. 10088	#5/00000	3.4/1.6mm
No. 10089	#6/00000	3.6/1.6mm
No. 10090	#7/00000	3.8/1.6mm
No. 10091	#8/00000	4.0/1.6mm

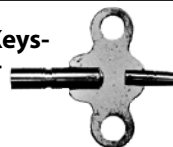
\$3.00 each \$33.00/ 12 (\$2.75)
\$125.00/ 50 (\$2.50)

Double End Brass Key Assortment

One each of the above 16 keys on a ring.

No. 15671 \$41.50 set

Double End Brass Keys- Commercial Grade- American Sizes



India.

No. 17843	#6/0	3.6/2.4mm
No. 17844	#7/0	3.8/2.4mm
No. 17845	#6/000	3.6/2.0mm
No. 17846	#7/000	3.8/2.0mm
No. 17848	#6/0000	3.6/1.8mm
No. 17851	#6/00000	3.6/1.6mm
No. 17852	#7/00000	3.8/1.6mm

\$2.50 each \$27.00/ 12 (\$2.25)

Double End Brass Keys- Swiss Sizes



India.

No. 29572	#4/00	3.25/2.00mm
No. 29573	#5/00	3.50/2.00mm
No. 29574	#6/00	3.75/2.00mm
No. 29575	#7/00	4.00/2.00mm
No. 29576	#8/00	4.25/2.00mm

\$2.50 each \$6.75/ 3 (\$2.25)

Double End Brass Key Assortment

One each of the above 5 keys on a ring.

No. 23917 \$11.00 set

Long Shaft Double End Brass Keys-American Sizes



No. 10098	#4/0000	3.2/1.8mm
No. 10099	#6/0000	3.6/1.8mm
No. 10100	#8/0	4.0/2.4mm

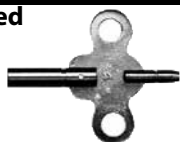
\$4.00 each \$11.25/ 3 (\$3.75)

No. 10101	#9/0000	4.2/1.8mm
No. 10102	#13/0000	5.0/1.8mm

\$5.50 each \$15.75/ 3 (\$5.25)

Clock Parts: Keys-Double End

Double End Nickeled
Keys-Commercial
Grade-Swiss Sizes



India.

No. 32508	..... #1/000	2.50/1.75mm
No. 32509	..... #2/000	2.75/1.75mm
No. 32510	..... #3/000	3.00/1.75mm
No. 19591	..... #4/000	3.25/1.75mm
No. 19592	..... #5/000	3.50/1.75mm
No. 19593	..... #6/000	3.75/1.75mm
No. 19594	..... #7/000	4.00/1.75mm
No. 32511	..... #8/000	4.25/1.75mm
No. 32512	..... #9/000	4.50/1.75mm
\$2.25 each \$25.80/ 12 (\$2.15)		

No. 32513	..... #10/000	4.75/1.75mm
No. 32514	..... #11/000	5.00/1.75mm
No. 32515	..... #12/000	5.25/1.75mm
\$3.00 each \$33.00/ 12 (\$2.75)		

Double End Nickeled Key Assortment

One each of the above 12 keys on a ring.

No. 32524 **\$26.00 set**

No. 32516	..... #1/00	2.50/1.95mm
No. 32517	..... #2/00	2.75/1.95mm
No. 32518	..... #3/00	3.00/1.95mm
No. 19595	..... #4/00	3.25/1.95mm
No. 19596	..... #5/00	3.50/1.95mm
No. 19597	..... #6/00	3.75/1.95mm
No. 19598	..... #7/00	4.00/1.95mm
No. 32519	..... #8/00	4.25/1.95mm
No. 32520	..... #9/00	4.50/1.95mm
No. 32521	..... #10/00	4.75/1.95mm
No. 32522	..... #11/00	5.00/1.95mm
No. 32523	..... #12/00	5.25/1.95mm
\$2.25 each \$25.80/ 12 (\$2.15)		
\$100.00/ 50 (\$2.00)		

Double End Nickeled Key Assortment

One each of the above 12 keys on a ring.

No. 32525 **\$24.50 set**

Trademark Keys-Double End Brass-American Sizes



No. 15945	.... #6/000	3.6/2.0mm	Ansonia
No. 10194	#6/00000	3.6/1.6mm	Gilbert
No. 34027	. #6/0000	3.6/1.8mm	Herschede
No. 15985	... #6/000	3.6/2.0mm	Ingraham
No. 10195	.... #6/000	3.6/2.0mm	New Haven
No. 20211	..... #8/0	4.0/2.4mm	New Haven
No. 10196	. #6/0000	3.6/1.8mm	Sessions
No. 19938	.. #4/0000	3.2/1.8mm	S. Thomas
No. 10197	. #6/0000	3.6/1.8mm	S. Thomas
No. 10198	.. #6/0000	3.6/1.8mm	Waterbury
\$4.25 each \$48.00/ 12 (\$4.00)			

No. 19939	.. #9/0000	4.2/1.8mm	S. Thomas
No. 19940	#13/0000	5.0/1.8mm	S. Thomas
\$6.00 each			

Trademark Key Assortment-Double End Brass

One each of the above 10 keys on a ring
excluding No. 19939 and No. 19940.

No. 15656 **\$38.50 set**
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Make Your Own Swiss Sizes Refills-Large End & Wing Brass Replacements-Swiss Sizes

Wing and Shaft
Included



India.

No. 29165	..... #3	(3.00mm) Large End
No. 29166	..... #4	(3.25mm) Large End
No. 29167	..... #5	(3.50mm) Large End
No. 29168	..... #6	(3.75mm) Large End
No. 29169	..... #7	(4.00mm) Large End
No. 29170	..... #8	(4.25mm) Large End
\$2.00 each \$11.10/ 6 (\$1.85)		

Refills-Small Replacement Ends-Brass- Swiss Sizes



These ends fit above wings.

No. 24664	..... 1.60mm	Small End
No. 24665	..... 1.65mm	Small End
No. 24666	..... 1.70mm	Small End
No. 24667	..... 1.75mm	Small End
No. 24668	..... 1.85mm	Small End
No. 24669	..... 1.95mm	Small End
\$1.00 each \$10.20/ 12 (85¢)		

33 Piece Double End Key Assortment- American Sizes



Assemble your own double end keys. Includes 3 pieces each of #4, #5, #6, #7 and #8 (3.2mm, 3.4mm, 3.6mm, 3.8mm and 4.0mm) large end with wings. Small ends include 3 pieces each of #00000, #0000, #000, #00, #0 and #1 (1.6mm, 1.8mm, 2.0mm, 2.2mm, 2.4mm and 2.6mm).

No. 29195 **\$29.50 set**

Refills-Large Brass Replacement Large Ends With Wings- American Sizes



USA.

No. 29196	..... #4	3.2mm Large End
No. 29197	..... #5	3.4mm Large End
No. 29198	..... #6	3.6mm Large End
No. 29199	..... #7	3.8mm Large End
No. 29200	..... #8	4.0mm Large End
\$1.75 each \$7.50/ 5 (\$1.50)		

Refills-Small Replacement Ends-Brass- American Sizes



Fits above key wings.

No. 24176	.... #00000	1.6mm Small End
No. 24177	..... #0000	1.8mm Small End
No. 24178	..... #000	2.0mm Small End
No. 24179	..... #00	2.2mm Small End
No. 24180	..... #0	2.4mm Small End
No. 24181	..... #1	2.6mm Small End
75¢ each \$7.20/ 12 (60¢)		

Clock Parts: Keys-Multi-Prong

Brass 4 Prong
Keys



American made. American sizes.

No. 10095	..... Even Sizes	6-8-10-12
No. 10096	..... Odd Sizes	5-7-9-11
No. 10097	..... Mixed Sizes	3-4-13-14
\$9.25 each \$27.00/ 3 (\$9.00)		

Brass 4 Prong Key Assortment

One of each of the above 3 keys on a ring.

No. 22852 **\$26.00 each**

4 Prong Brass Keys

Swiss sizes. India.

No. 23914	#4-6-8-10	3.25mm to 4.75mm
No. 23915	#5-7-9-11	3.50mm to 5.00mm
\$5.00 each \$9.50/ 2 (\$4.75)		

Brass 4 Prong Key Assortment

One each of the above 2 keys on a chain.

No. 23916 **\$9.50 set**

Brass 5 Prong
Keys



American made. American sizes.

No. 10092	.... Even Sizes	4-6-8-10-12
No. 10093	..... Odd Sizes	3-5-7-9-11
No. 10094	..... Mixed Sizes	0-1-2-13-14
\$11.50 each \$33.75/ 3 (\$11.25)		

Brass 5 Prong Key Assortment

One of each of the above 3 keys on a ring.

No. 22839 **\$32.00 set**

Brass 5 Prong Keys

Swiss sizes. India.

No. 19261	..... Even Sizes	2-4-6-8-10
No. 32972	..... Even Sizes	4-6-8-10-12
No. 19262	..... Odd Sizes	3-5-7-9-11
\$6.00 each \$11.50/ 2 (\$5.75)		

Brass 5 Prong Key Assortment

One each of #19261 and #19262 keys on a ring.

No. 22850 **\$11.50 set**

Brass 5 Prong Key Gauges-American Made



American Sizes

Insert key over gauge and read size. USA.

No. 10010	..... Even Sizes	4-6-8-10-12
No. 10011	..... Odd Sizes	3-5-7-9-11
No. 10012	..... Mixed Sizes	0-1-2-13-14
\$12.50 each \$36.75/ 3 (\$12.25)		

Brass 5 Prong Key Gauge Assortment

One each of the above 3 gauges on a ring.

No. 22851 **\$36.00 set**

Key Gauges



Indicates key size in millimeters. Swiss sizes run smaller than American sizes. India.

American Sizes #000 through #18 (2.00mm through 6.00mm)

No. 30466 **\$31.50 each**

Swiss Sizes #000 through #15 (1.75mm through 6.00mm)

No. 19258 **\$31.50 each**

Clock Parts: Keys-Cranks & Winders

Grandfather Cranks-American Sizes Brass Shafts



Hardwood handles with brass shafts. USA.

No. 10018	..... #8	4.0mm
No. 10019	..... #9	4.2mm
No. 10020	..... #10	4.4mm
No. 10021	..... #11	4.6mm
No. 10022	..... #12	4.8mm
No. 10023	..... #13	5.0mm
No. 10024	..... #14	5.2mm
No. 10025	..... #15	5.4mm
No. 10026	..... #16	5.6mm
No. 10028	..... #18	6.0mm
No. 10030	..... #20	6.4mm
No. 10032	..... #22	6.8mm
\$16.00 each		\$46.50/ 3 (\$15.50)

Grandfather Cranks-American Sizes- Closeout



Hardwood handle. Brass shaft. Switzerland.
Was \$17.50.

No. 33411	..... #4	3.2mm	\$8.00 each
No. 33413	..... #7	3.8mm	\$8.00 each
No. 33415	..... #21	6.6mm	\$8.00 each
No. 33416	..... #23	7.0mm	\$8.00 each

Grandfather Cranks-American Sizes Steel Shafts



Steel shafts for better wear and greater
strength. Hardwood handles. USA.

No. 33054	..... #8	4.0mm
No. 33055	..... #10	4.4mm
No. 33057	..... #12	4.8mm
No. 33059	..... #14	5.2mm
\$14.00 each		\$40.50/ 3 (\$13.50)

Winding Crank-Swiss Size



Wood handled brass crank for Hermle and
Kieninger movements. #7 (4.00mm). China.

No. 29311	\$10.00 each	
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Grandfather Crank-Nickeled-Swiss Size



Fits Hermle and Kieninger movements and
others. #7 (4.00mm). Nickleled. Plastic handle.
China.

No. 32548	\$13.50 each	
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Fancy Cranks-Swiss Sizes



NEW

Wood handles with brass shafts. India.

No. 31043 #2	2.75mm
No. 31044	..... #3	3.00mm
No. 31047	..... #6	3.75mm
No. 31048	..... #7	4.00mm
No. 29253	..... #8	4.25mm
No. 31049	..... #9	4.50mm
No. 31050	..... #10	4.75mm
No. 34006	..... #11	5.00mm
No. 34007	..... #12	5.25mm
No. 34008	..... #13	5.50mm
No. 34009	..... #14	5.75mm
No. 34010	..... #15	6.00mm
No. 34011	..... #16	6.25mm
No. 34048	..... #18	6.75mm
\$10.00 each		\$29.25/ 3 (\$9.75)

Grandfather Crank-Swiss Sizes



Hardwood handle. Brass shaft. India.

No. 23796	..... #2	2.75mm
No. 23798	..... #4	3.25mm
No. 23799	..... #5	3.50mm
No. 23771	..... #6	3.75mm
No. 19910	..... #7	4.00mm
No. 22854	..... #8	4.25mm
No. 22855	..... #9	4.50mm
No. 19238	..... #10	4.75mm
No. 19239	..... #11	5.00mm
No. 19240	..... #12	5.25mm
No. 22856	..... #13	5.50mm
No. 19241	..... #14	5.75mm
No. 20677	..... #15	6.00mm
No. 19242	..... #16	6.25mm
No. 32543	..... #17	6.50mm
No. 31053	..... #18	6.75mm
No. 32544	..... #19	7.00mm
No. 31054	..... #20	7.25mm
No. 32545	..... #21	7.50mm
\$8.00 each		\$46.50/ 6 (\$7.75)

Morbier Style Grandfather Cranks- Swiss Sizes



Steel shank. Wood handle. India.

No. 23990	..... #6	3.75mm
No. 23991	..... #7	4.00mm
No. 23992	..... #8	4.25mm
No. 23993	..... #9	4.50mm
No. 23994	..... #10	4.75mm
No. 23995	..... #11	5.00mm
No. 23996	..... #12	5.25mm
No. 23997	..... #13	5.50mm
\$8.00 each		\$23.25/ 3 (\$7.75)

Morbier Style Grandfather Cranks- Swiss Sizes- Closeout



Swiss made. Heavy wire steel shank. Wood
handle. Regularly \$18.00.

No. 01617	..... #12	5.25mm	\$9.00 each
No. 01530	..... #15	6.00mm	\$9.00 each
No. 01531	..... #16	6.25mm	\$9.00 each
No. 01532	..... #17	6.50mm	\$9.00 each
No. 01533	..... #18	6.75mm	\$9.00 each

E. Howard Trademark Crank-American Size



#4 (3.2mm) brass shank with steel handle. USA.
No. 20268 \$5.00 each

Crank-S. Thomas #3-American Size



#6 (3.6mm) key. Brass shaft with a steel handle.
Used on #3 S. Thomas and others. USA.

No. 20420	\$5.75 each	
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Fancy Brass Vienna Cranks-American Sizes



India.

No. 20057 #000	2.0mm
No. 20058 #00	2.2mm
No. 20059	..... #0	2.4mm
No. 20060	..... #1	2.6mm
No. 20061	..... #2	2.8mm
No. 20062	..... #3	3.0mm
\$4.50 each		\$12.75/ 3 (\$4.25)

Vienna/"OG" Cranks-American Sizes



Brass shaft with steel handle. USA.

No. 10033	..... #000	2.0mm
No. 10034	..... #00	2.2mm
No. 10035	..... #0	2.4mm
No. 10036	..... #1	2.6mm
No. 10037	..... #2	2.8mm
No. 10038	..... #3	3.0mm
No. 10039	..... #4	3.2mm
No. 10040	..... #5	3.4mm
No. 10041	..... #6	3.6mm
No. 10042	..... #7	3.8mm
No. 10043	..... #8	4.0mm
\$2.25 each		\$24.00/ 12 (\$2.00)

Vienna/"OG" Cranks-Swiss Sizes



Brass shaft with steel handle. India.

No. 19822	..... #00	2.00mm
No. 19641	..... #0	2.25mm
No. 19642	..... #1	2.50mm
No. 19643	..... #2	2.75mm
No. 19644	..... #3	3.00mm
No. 19645	..... #4	3.25mm
No. 19646	..... #5	3.50mm
No. 19647	..... #6	3.75mm
No. 19648	..... #7	4.00mm
No. 19649	..... #8	4.25mm
No. 19650	..... #9	4.50mm
No. 19651	..... #10	4.75mm
No. 19652	..... #11	5.00mm
No. 19653	..... #12	5.25mm
No. 19654	..... #13	5.50mm
\$2.25 each		\$24.00/ 12 (\$2.00)

Clock Parts: Keys-Cranks & Winders

Vienna/OG Cranks-Swiss Sizes



All brass. India.

No. 32063	..... #00	2.00mm
No. 32064	..... #0	2.25mm
No. 32065	..... #1	2.50mm
No. 32066	..... #2	2.75mm
No. 32067	..... #3	3.00mm
No. 32068	..... #4	3.25mm
No. 32069	..... #5	3.50mm
No. 32070	..... #6	3.75mm
No. 32071	..... #7	4.00mm
No. 32072	..... #8	4.25mm
\$5.00 each \$14.25/ 3 (\$4.75)		

Vienna Cranks- Swiss Sizes



Wood handled cranks. India.

No. 29434	..... #0	2.25mm
No. 29435	..... #1	2.50mm
No. 29436	..... #2	2.75mm
No. 29437	..... #3	3.00mm
No. 29438	..... #4	3.25mm
No. 29439	..... #5	3.50mm
No. 29440	..... #6	3.75mm
No. 29441	..... #7	4.00mm
No. 29442	..... #8	4.25mm
No. 29443	..... #9	4.50mm
No. 29444	..... #10	4.75mm
\$4.00 each \$11.25/ 3 (\$3.75)		

Time Clock Cranks- American Sizes



Steel T-bar with a 3-3/4" long brass shaft. USA.

No. 10173	..... #20	6.4mm	\$12.50 each
No. 10065	..... #23	7.0mm	\$12.50 each

E-Z Winder



Key Not Included

Place key wing in the slot to wind a clock more easily. 1" diameter x 4" long black poly. India.

No. 23136	\$7.50 each
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Clock Parts: Keys-Let Down & Related

Old Timer Let Down Keys-American Sizes



Use as a key or for letting down mainsprings. Hardwood handles with double ended nickel plated brass shafts. USA.

No. 15686 #5-#6	3.4/3.6mm
No. 15687 #7-#8	3.8/4.0mm
No. 15688 #10-#12	4.4/4.8mm
\$12.25 each \$36.00/ 3 (\$12.00)		

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Let-Down Sets



Use to wind clocks, as a key gauge, or to release mainsprings. A must-have tool!

American Sizes

4 Piece Set includes 5-6, 7-8, 10-12 chucks and a plastic handle.

No. 15808	\$38.00 set
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7 Piece Set includes 1-2, 3-4, 5-6, 7-8, 10-12, 14-16 chucks, and a plastic handle.

No. 10066	\$60.00 set
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Swiss Sizes

4 Piece Metric Set includes 3.25/3.50mm, 3.75/4.00mm, 4.25/4.50mm chucks, and a plastic handle.

No. 20048	\$38.50 set
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8 Piece Metric Set includes 2.25/2.5mm, 2.75/3.0mm, 3.25/3.5mm, 3.75/4.0mm, 4.25/4.5mm, 4.75/5.0mm, 5.25/5.5mm chucks, and a plastic handle.

No. 20051	\$69.50 set
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Additional Chucks-Steel American Sizes



No. 10067 #0-00	2.4/2.2mm	Chuck
No. 10068 #1-2	2.6/2.8mm	Chuck
No. 10069	..... #3-4	3.0/3.2mm	Chuck
No. 10070	..... #5-6	3.4/3.6mm	Chuck
No. 10071	..... #7-8	3.8/4.0mm	Chuck
No. 10072	..... #9-11	4.2/4.6mm	Chuck
No. 10073	..... #10-12	4.4/4.8mm	Chuck
No. 10074	..... #14-16	5.2/5.6mm	Chuck

Metric Chucks-Steel-Swiss Sizes

No. 20370	.....	2.25/2.5mm	Chuck
No. 20371	.....	2.75/3.0mm	Chuck
No. 20372	.....	3.25/3.5mm	Chuck
No. 20390	.....	3.75/4.0mm	Chuck
No. 20391	.....	4.25/4.5mm	Chuck
No. 20392	4.75/5.0mm	Chuck
No. 20410	5.25/5.5mm	Chuck

\$8.25 each \$24.00/ 3 (\$8.00)



No. 10075 Alarm Chuck	\$10.50 each
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Wire Bending Tools



No. 10456	
No. 32892	

Fits handles below (No. 10076 and No. 32318).

No. 10456	\$8.75 each
No. 32892	\$8.75 each

Let Down Handle-Standard



No. 10076 Plastic	\$14.50 each
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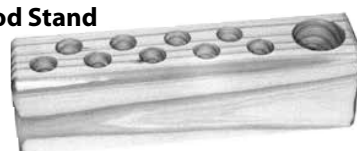
Let Down Handle-Ergonomic Style



Perfect for weak or arthritic users. Larger tapered plastic grip fits comfortably in your hand for ease of winding or releasing mainsprings. Overall length 4-3/4".

No. 32318	\$16.50 each
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Wood Stand



For our let-down sets. 10 holes.

No. 15978	\$9.00 each
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Clock Parts: Keys-Watch

Commercial Grade- Watch Keys



Swiss sizes. India.

No. 17828 #00	2.00mm
No. 17829	..... #0	1.90mm
No. 17830	..... #1	1.80mm
No. 17831	..... #2	1.75mm
No. 17832	..... #3	1.65mm
No. 17833	..... #4	1.60mm
No. 17834	..... #5	1.50mm
No. 17835	..... #6	1.40mm
No. 17836	..... #7	1.30mm
No. 17837	..... #8	1.20mm
No. 17838	..... #9	1.15mm
No. 18396	..... #10	1.05mm
No. 18397	..... #11	1.00mm
No. 18398	..... #12	0.95mm
\$1.50 each \$15.00/ 12 (\$1.25)		

Watch Key Assortment

One each of the above. 14 keys on a ring.

No. 17839	\$9.50 set
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Watch Crown Winder



Adjustable. For winding wrist watches. India.

No. 23455	5.0mm	\$6.50 each
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For winding smaller ladies' watches.

No. 33195	4.0mm	\$6.50 each
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5 Prong Watch Keys-Swiss Sizes



India.

No. 19658 Even Sizes (2-4-6-8-10)
No. 19659 Odd Sizes (3-5-7-9-11)
\$5.00 each \$9.50/ 2 (\$4.75)	

5 Prong Watch Key Assortment

One each of the above 2 keys on a ring.

No. 23831	\$9.50 set
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Clock Parts: Keys-Miscellaneous

Alarm Keys 72 Piece Assortment



Nickel plated for alarm and travel clocks. India.

No. 10600	\$21.00 pack
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Set Knob



Knurled brass. Use on small clocks. 8mm OD x 8mm overall length. 2.5mm thread. China.

No. 29708	\$2.00 each
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Set Knob



Knurled brass. Use on small clocks. 10mm OD x 4mm thick. 2.0mm internal thread. China.

No. 29709	\$2.00 each
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Clock Parts: Keys-Miscellaneous

Hand Setters-72 Piece Assortment



Nickel plated, threaded and split. India.
No. 10601 **\$18.50 pack**

Plastic Key Holder



12-piece pack. Attach to your case. India.
No. 15492 **\$3.50 pack**

False Winding Arbors



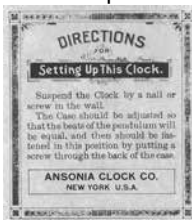
Use when replacing mechanical with quartz movements. 4mm winding square with 19mm round mounting disk.

No. 18304 8mm Long **\$1.25 each**
No. 17734 12mm Long **\$1.25 each**
No. 17735 24mm Long **\$1.25 each**

Clock Parts: Labels

Paper Clock Labels

Authentic reproductions.



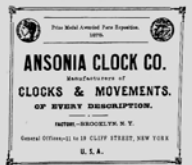
Ansonia Clock Co.
4-3/4" x 5-3/8"

No. 12638 ... **\$1.50 each**



Ansonia Clock Co.
6-1/8" x 7"

No. 12640 ... **\$1.50 each**



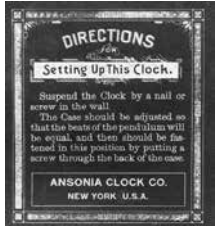
Ansonia Clock Co.
5-5/8" x 5"

No. 12642 ... **\$1.50 each**



Ansonia Clock Co.
5-5/8" x 5-3/8"

No. 12643 ... **\$1.50 each**



Ansonia Clock Co.
6-1/8" x 6-7/8" Gold On Black

No. 12644 ... **\$2.50 each**



E. Ingraham Clock Co.
Black On Green 7-7/8" x 7"

No. 12649 ... **\$2.50 each**



E. Ingraham Clock Co.
8-3/8" x 8"

No. 12648 ... **\$1.50 each**



Sessions Clock Co.
2-3/8" x 3"

No. 12658 ... **\$1.50 each**



Sessions Clock Co.
6" x 6-3/4"

No. 12659 ... **\$1.50 each**



Seth Thomas Clock Co.
10-1/2" x 2-3/4"

No. 12660 ... **\$1.50 each**



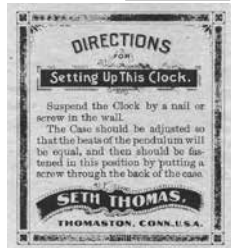
Seth Thomas Clock Co.
3" x 5-1/4"

No. 12661 ... **\$1.50 each**



Seth Thomas Clock Co.
5-1/2" x 5-1/2"

No. 12662 ... **\$1.50 each**



Seth Thomas Clock Co.
6" x 6-7/8"

No. 12664 ... **\$1.50 each**



Seth Thomas Clock Co.
3" x 6-1/4"

No. 12666 ... **\$1.50 each**



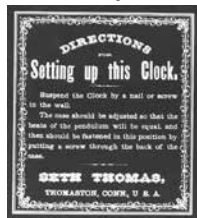
Seth Thomas Clock Co.
7" x 2-3/4"

No. 12667 ... **\$1.50 each**



Seth Thomas Clock Co.
3-3/8" x 3-3/8"

No. 12668 ... **\$1.50 each**



Seth Thomas Clock Co.
6" x 6-7/8" Gold On Black

No. 12669 ... **\$2.50 each**



Seth Thomas Clock Co.
10-1/4" x 10-1/2"

No. 12670 ... **\$1.50 each**



Waterbury Clock Co.
4-5/8" x 4-3/8"

No. 12672 ... **\$1.50 each**



Waterbury Clock Co.
4-3/4" x 5-3/8"

No. 12673 ... **\$1.50 each**



Welch, Spring and Co.
6-1/2" x 6-1/8"

No. 12676 ... **\$1.50 each**

Clock Label Assortment



Assortment of 12 labels. Styles may vary.

No. 20044 **\$12.50 pack**

Clock Parts: Mainsprings & Accessories

Mainsprings-Barrel Hole End



Fits Hermle and other movements.

No. 15926 #31 12 x 0.34 x 1150mm
No. 15927 #30, #32 12 x 0.42 x 1100mm
No. 15928 #33 12 x 0.32 x 1150mm
\$7.00 each \$20.25/3 (\$6.75)

No. 15924 #21 17 x 0.40 x 1200mm
No. 15929 #40, #42 17 x 0.38 x 1100mm
No. 15933 #52 17 x 0.42 x 1200mm
No. 15924 #50, #56 17 x 0.40 x 1200mm
\$9.00 each \$26.25/3 (\$8.75)

No. 15921 #10 17 x 0.45 x 1490mm
No. 15922 #11 17 x 0.42 x 1500mm
\$10.00 each \$29.25/3 (\$9.75)

No. 15930 #41 21 x 0.40 x 1550mm
No. 15934 #54 21 x 0.42 x 1900mm
No. 15935 #55 21 x 0.45 x 1800mm
\$12.50 each \$36.75/3 (\$12.25)

Mainsprings- 8 Day Loop End



Asian Made

5/8" x .0175" x 96" loop end mainspring.
No. 14222 **\$10.00 each**
3/4" x .0165" x 48" loop end mainspring.
No. 00048 **\$7.50 each**

3/4" x .0165" x 96" loop end mainspring offers a more reasonable replacement for American clocks after a complete overhaul.

No. 18790 **\$9.00 each**
\$26.25/3 (\$8.75) \$85.00/10 (\$8.50)
3/4" x .0175" x 96" long loop end.

No. 14320 **\$9.50 each**
\$27.75/3 (\$9.25) \$90.00/10 (\$9.00)
3/4" x .018" x 96" loop end mainspring.

No. 29936 **\$10.00 each**
\$58.50/6 (\$9.75) \$152.00/16 (\$9.50)
3/4" x .020" x 96" loop end mainspring.

No. 32547 **\$16.50 each**

German Made

Loop end mainsprings. German made.
No. 32927 3/4" x .0165" x 96" **\$14.00**
No. 32928 3/4" x .0177" x 96" **\$14.00**
\$41.25/3 (\$13.75) \$135.00/10 (\$13.50)

Mainspring- French Hole End



11/16" x .014" x 54" hole end mainspring fits many French clocks and others. China.
No. 14204 **\$8.00 each**
65

Chelsea Hole End Mainsprings

High quality German manufactured hole end mainsprings designed specifically for Chelsea clocks but can be used on others.



NEW

Part #	Model #	Chelsea #	Size MM	Price	Chelsea Notes
No. 34020	K	#862	12.7 x 0.315 x 838	\$9.00	Smallest time only
No. 34021	L T/S	#79-D	13.5 x 0.28 x 1675	\$11.50	Older bell
No. 17492	16E	#8832	13.5 x 0.25 x 1828	\$11.50	Deck clock
No. 34022	L T/S	#79-B	13.5 x 0.295 x 1562	\$11.50	Older models
No. 34023	4L T/S	#9665	16.6 x 0.24 x 1968	\$11.50	Current models
No. 33499	L S/S	#174	16.6 x 0.28 x 1829	\$11.50	Older models
No. 34024	4L S/S	#9665-A	16.6 x 0.28 x 1803	\$11.50	Current models
No. 34025	12E	#7374	16.6 x 0.28 x 2135	\$13.50	Black phenolic military

Mainspring-Seth Thomas Loop End



11/16" x .0165" x 96" loop end. Used on many Seth Thomas movements. China.

No. 20506 \$10.50 each
\$30.75/3 (\$10.25) \$100.00/10 (\$10.00)

Mainspring-Seth Thomas #10 Hole End



5/8" x .024" x 108" hole end mainspring for Seth Thomas #10 movements. China.

No. 29285 \$17.50 each

Mainspring-Seth Thomas #89 Loop End



Also fits some Session and Ingraham movements. 3/4" x .016" x 108" loop end. China.

No. 29515 \$16.00 each

Mainspring-Sonora Chime Hole End



Exact replacement is 1" x .022" x 136". China.

No. 23137 \$26.50 each

Mainsprings-30-Hour Loop End



Fits many 30-hour clocks. Loop end. China.

No. 14201 3/8" x .0145" x 48"

No. 14202 5/16" x .0145" x 42"

\$3.50 each \$9.75/3 (\$3.25)

Mainspring-Chinese 31-Day Hole End



.740" x .016" x 116" hole end.

No. 23138 \$10.50 each
\$30.75/3 (\$10.25)

Mainspring 31-Day Loop End



For Japanese and Korean 31 day clocks. 3/4" x .015" x 170". Loop end. China.

No. 14203 \$13.50 each
\$39.75/3 (\$13.25) \$156.00/12 (\$13.00)

Time Recorder Mainspring



Fits many time recorders. 35mm x 0.7mm x 3320mm (1-3/8 x .0275 x 130-3/4"). Hole end.

No. 33423 \$26.50 each

Clock Parts: Mainsprings & Accessories

Mainsprings-400-Day Anniversary-Hole End



Designed for use in anniversary clocks but can be used in others. Hole end.

No. 14205 ... (12 x 24) 15/32" x .015" x 23"

No. 14206 ... (12 x 25) 15/32" x .013" x 27"

No. 14207 ... (12 x 32) 15/32" x .012" x 48"

No. 14208 ... (13 x 30) 33/64" x .014" x 38"

No. 14209 ... (13 x 32) 33/64" x .022" x 28"

No. 14210 ... (14 x 25) 35/64" x .013" x 27"

No. 14212 ... (14 x 30) 35/64" x .014" x 32"

No. 14211 ... (14 x 28) 35/64" x .016" x 28"

\$12.00 each \$35.25/3 (\$11.75)

No. 14313 ... (16 x 36) 5/8" x .018" x 41"

No. 14314 ... (18 x 38) 45/64" x .018" x 44"

No. 14315 ... (19 x 32) 3/4" x .016" x 38"

No. 14317 ... (19 x 38) 3/4" x .016" x 53"

No. 14316 ... (19 x 36) 3/4" x .017" x 45"

\$13.50 each \$39.75/3 (\$13.25)

No. 14318 ... (20 x 38) 25/32" x .016" x 53"

\$15.00 each

No. 14319 ... (21 x 50) 53/64" x .015" x 100"

\$18.50 each

Mainsprings-Fusee Hole End



German made fusee springs. .0175" thick. (#33426 and #33427 are .017" thick).

No. 19535 . 1-1/8" x 82.6" (2" barrel) \$24.00

No. 19536 . 1-1/4" x 82.6" (2" barrel) \$34.00

No. 19537 . 1-1/4" x 88.6" (2-1/4" barrel) \$35.00

No. 19538 . 1-1/4" x 94.4" (2-1/4" barrel) \$46.00

No. 19539 . 1-3/8" x 82.6" (2" barrel) \$37.00

No. 19540 . 1-3/8" x 88.6" (2-1/8" barrel) \$38.50

No. 19541 . 1-1/2" x 82.6" (2" barrel) \$40.00

No. 19542 . 1-1/2" x 88.6" (2-1/8" barrel) \$42.00

No. 19543 . 1-1/2" x 94.4" (2-1/4" barrel) \$43.00

No. 19545 . 1-1/2" x 114" (2-1/2" barrel) \$56.00

No. 19544 . 1-5/8" x 88.6" (2-1/8" barrel) \$46.00

No. 19546 . 1-5/8" x 114" (2-1/2" barrel) \$60.00

No. 33426 . 1-3/4" x 82.6" (2" barrel) \$50.00

No. 33427 . 1-3/4" x 94.4" (2-1/4" barrel) \$56.00

66

Junghans Swinging Arm Clock Mainspring



7.0 x 0.25 x 550mm, (.2755 x .0098 x 21.65"). Hook End. 18.0mm (.71") wound diameter so it will slip into the Junghans barrel. Fits Junghans swingers and other clocks. Germany.

No. 33576 \$7.00 each

Mainspring-Lux & Keebler Loop End



5/16" x .010" x 30" open loop end mainspring fits most Lux pendulette clocks. China.

No. 14215 \$5.00 each

Mainsprings-Music Movement Hole End



Difficult to find hole end mainsprings used on music movements and others. Made in Europe.

No. 33428 (5/32" x .0075" x 11-1/4")

(4.0 x 0.19 x 280mm) \$5.00 each

No. 33429 (5/32" x .010" x 15-3/4")

(4.0 x 0.25 x 400mm) \$6.00 each

No. 33430 (13/64" x .007" x 11-1/4")

(5.0 x 0.18 x 280mm) \$6.00 each

No. 33431 (13/64" x .010" x 11-1/4")

(5.0 x 0.25 x 280mm) \$7.00 each

No. 33432 (13/64" x .010" x 15-3/4")

(5.0 x 0.25 x 400mm) \$7.50 each

No. 33433 (13/64" x .010" x 23-5/8")

(5.0 x 0.25 x 600mm) \$8.00 each

No. 33434 (15/64" x .010" x 15-3/4")

(6.0 x 0.25 x 400mm) \$8.00 each

No. 33435 (15/64" x .010" x 23-5/8")

(6.0 x 0.25 x 600mm) \$8.50 each

No. 33436 (9/32" x .010" x 15-3/4")

(7.0 x 0.25 x 400mm) \$8.50 each

No. 33437 (5/16" x .010" x 15-3/4")

(8.0 x 0.25 x 400mm) \$9.00 each

No. 33438 (23/64" x .010" x 23-5/8")

(9.0 x 0.25 x 600mm) \$9.50 each

No. 33439 (23/64" x .012" x 23-5/8")

(9.0 x 0.30 x 600mm) \$10.00 each

Clock Parts: Mainsprings & Accessories

Mainsprings- Urgos



For UW06 movements. Hole end mainsprings.
No. 15924 Time/Strike 43/64" x 0.0155"
x 47-1/4" (17.0 x 0.40 x 1200mm)
\$9.00 each \$26.25/3 (\$8.75)

No. 32164 Chime 61/64" x 0.0155"
x 59-1/16" (24.2 x 0.39 x 1500mm)
\$16.50 each \$48.75/3 (\$16.25)

Mainspring- Waltham 37 Size Hole End



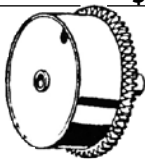
For 8-day movements. Dennison size 37 x 1 x 30. Waltham factory number 2232. China.
No. 30465 \$15.00 each \$43.50/3 (\$14.50)

Mauthe 42 Barrel With Mainspring- Closeout



No arbor. Nickered barrel. Hole end mainspring measure 4.2mm wide x 0.25mm thick. Barrel diameter is 28mm. **Was \$20.00.**
No. 01756 \$8.00 each

Barrels With Mainsprings For Hermle



Mainspring barrels with springs installed for Hermle movements. The numbers listed are the numbers that appear on the barrels. For use only on Hermle movements. See the chart on this page for reference numbers.

	Barrel #	Tooth Plate	Total Barrel	# of
		OD	Height	Teeth
No. 14241	31	40mm	15mm	70
No. 14242	32	40mm	15mm	70
	Replaces #30			

No. 14216 40 41mm 21mm 72
Replaces #42

No. 15958 52 45mm 21mm 66
No. 14244 56 45mm 21mm 66
Replaces #53
\$33.50 each \$99.00/ 3 (\$33.00)

No. 14236 10 49mm 21mm 72
No. 14237 11 49mm 21mm 72
No. 14218 50 45mm 21mm 66
Replaces #8
\$34.00 each \$101.50/ 3 (\$33.50)

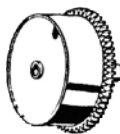
No. 14217 41 48mm 21mm 71
\$38.00 each \$112.50/ 3 (\$37.50)

No. 14219 54 53.5mm 25mm 80
No. 14220 55 53.5mm 25mm 80
\$44.50 each \$132.00/ 3 (\$44.00)

No. 14239 21 47.5mm 21mm 68
Replaces #20
\$47.50 each \$141.00/ 3 (\$47.00)

Mainspring and Barrel Chart

Fits Hermle
movements.
Germany



Movement #	Hermle Barrel #	Hermle Barrel With Mainspring	Mainspring Only
0130	31 Strike 32 Time	No. 14241 No. 14242	No. 15926 No. 15927
0131	31 Strike 30 Time	No. 14241 No. 14242	No. 15928 No. 15927
0132	31 Strike 31 Time	No. 14241 No. 14241	No. 15926 No. 15926
0140	10 Time 10 Strike	No. 14236 No. 14236	No. 15921 No. 15921
0141	10 Strike 11 Time	No. 14236 No. 14237	No. 15921 No. 15922
0150 0151	21 Strike 21 Time	No. 14239 No. 14239	No. 15924 No. 15924
0340 0341	41 Chime 40 Strike 40 Time	No. 14217 No. 14216 No. 14216	No. 15930 No. 15929 No. 15929
0350 0351	54 Chime 52 Strike 50 Time	No. 14219 No. 15958 No. 14218	No. 15934 No. 15933 No. 15924
0351-03	54 Chime 56 Strike 52 Time	No. 14219 No. 14244 No. 15958	No. 15934 No. 15924 No. 15933
0351-85	54 Chime 50 Strike	No. 14219 No. 14218	No. 15934 No. 15924
0351-83 0361-83	54 Chime 56 Strike	No. 14219 No. 14244	No. 15934 No. 15924
0352	54 Chime 50 Strike 58 Time	No. 14219 No. 14218 No. 23712	No. 23711 No. 15934 No. 15924
0701 0781 0791	11 Time — —	No. 14237 — —	No. 15922 — —
0771	32 Time	No. 14242	No. 15927
1050 1051	55 Chime 50 Strike 52 Time	No. 14220 No. 14218 No. 15958	No. 15935 No. 15924 No. 15933
1051-03	55 Chime 56 Strike 52 Time	No. 14220 No. 14244 No. 15958	No. 15935 No. 15924 No. 15933
1051-85	55 Chime 50 Strike	No. 14220 No. 14218	No. 15935 No. 15924
1051-83	55 Chime 56 Strike	No. 14220 No. 14244	No. 15935 No. 15924
1052	55 Chime 50 Strike 58 Time	No. 14220 No. 14218 No. 23712	No. 15935 No. 15924 No. 23711
3351-85	54 Chime 50 Strike	No. 14219 No. 14218	No. 15934 No. 15924

Hermle Empty Mainspring Barrels



Barrels with no top covers, no mainsprings. For current production Hermle movements.

No. 22644 #10, 11 **\$14.50**
No. 23147 #21 **\$16.50**
No. 22646 #30, 31, 32, 33 **\$15.50**
No. 22647 #40, 42 **\$15.50**
No. 22918 #41 **\$16.50**
No. 22645 #50, 52, 56, 57 **\$14.50**
No. 22648 #54, 55 **\$16.00**

Hermle Mainspring Barrel Caps



No. 20971 #10 **\$2.50 each**
No. 20972 #11 **\$2.50 each**
No. 20973 #21 **\$2.50 each**
No. 20974 #31 **\$2.50 each**
No. 20975 #32 **\$2.50 each**
No. 20976 #33 **\$2.50 each**
No. 20977 #40 **\$2.50 each**
No. 20978 #41 **\$2.50 each**
No. 20979 #50 **\$2.50 each**
No. 20980 #52 **\$2.50 each**
No. 20981 #54 **\$2.50 each**
No. 20982 #55 **\$2.50 each**
No. 20983 #56 **\$2.50 each**

Kern Barrel With Mainspring-Closeout



46.2mm tooth plate diameter. 21.65mm overall height. 42.5 barrel diameter. 56.0mm arbor length. 16-tooth. 15.0mm external ratchet wheel. **Was \$48.00.**
No. 01364 \$12.00 each

Schmid-Schlenker Barrel-Closeout



30.5mm tooth plate diameter. 15.4mm overall height. **Was \$12.00.**
No. 01584 \$4.00 each

Schatz #59 Bambino Mainspring & Barrel- Closeout



35.75mm OD barrel diameter. 14.2mm barrel height. Arbor length 30.2mm. Schatz #59-05. **Was \$48.00.**
No. 00372 \$25.00 each

Mainspring Clamps- Flat



Clamps hold mainsprings during disassembly. 1-15/16" diameter x 5/16" wide.
No. 20082 1 set of 2 **\$6.50 pack**
No. 32888 2 sets of 2 **\$12.50 pack**
Set Of Four Flat Mainspring Clamps
1-3/8", 1-7/8", 2-3/8" and 3" diameters.
No. 33071 \$16.50 set

Mainspring Clamps- Round



Holds mainsprings during disassembly. Set of 1-3/8", 1-7/8", 2-3/8" and 3" diameters.
No. 12397 \$6.00 set
Mainspring Clamps-4 Piece Set
Set of four. 2 each of 1-7/8" and 2-3/8".
No. 22722 \$6.00 set
67

Timesavers New Expanded Listing Of Hole End Mainsprings



Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 01795	.051 x .004 x 16.5"	1.3 x 0.105 x 420mm	Hole	\$8.00
No. 80047	.146 x .0114 x 68.9"	3.7 x 0.29 x 1750mm	Hole	\$10.00
No. 33465	.150 x .0075 x 37.4"	3.8 X 0.19 X 950mm	Hole	\$3.00
No. 33428	.157 x .0075 x 11"	4.0 x 0.19 x 280mm	Hole	\$5.00
No. 16756	.157 x .008 x 24"	4.0 x 0.20 x 610mm	Hole	\$3.50
No. 33429	.157 x .0098 x 15.7"	4.0 x 0.25 x 400mm	Hole	\$6.00
No. 16757	.157 x .011 x 26-1/2"	4.0 x 0.28 x 673mm	Hole	\$4.00
No. 19677	.189 x .009 x 24"	4.8 x 0.23 x 610mm	Hole	\$5.00
No. 33430	.197 x .007 x 11"	5.0 x 0.18 x 280mm	Hole	\$6.00
No. 33431	.197 x .0098 x 11"	5.0 x .025 x 280mm	Hole	\$7.00
No. 33432	.197 x .0098 x 15.7"	5.0 x 0.25 x 400mm	Hole	\$7.50
No. 33433	.197 x .0098 x 23.6"	5.0 x 0.25 x 600mm	Hole	\$8.00
No. 80084	.2165 x .0079 x 31.5"	5.5 x 0.20 x 800mm	Hole	\$7.50
No. 80090	.236 x .0079 x 32.3"	6.0 x 0.20 x 820mm	Hole	\$5.50
No. 80091	.236 x .009 x 46.5"	6.0 x 0.23 x 1180mm	Hole	\$7.50
No. 33434	.236 x .0098 x 15.7"	6.0 x 0.25 x 400mm	Hole	\$8.00
No. 33435	.236 x .0098 x 23.6"	6.0 x 0.25 x 600mm	Hole	\$8.50
No. 80092	.236 x .0157 x 23.6"	6.0 x 0.40 x 600mm	Hole	\$9.00
No. 16762	.251 x .011 x 39"	6.4 x 0.28 x 991mm	Hole	\$6.00
No. 80096	.2755 x .0075 x 25.6"	7.0 x 0.19 x 650mm	Hole	\$5.75
No. 33436	.2755 x .0098 x 15.7"	7.0 x 0.25 x 400mm	Hole	\$8.50
No. 16765	.2755 x .0098 x 39-1/2"	7.0 x 0.25 x 1003mm	Hole	\$5.50
No. 80099	.2755 x .0098 x 43.3"	7.0 x 0.25 x 1100mm	Hole	\$6.00
No. 16766	.315 x .0079 x 27"	8.0 x 0.20 x 686mm	Hole	\$5.00
No. 33437	.315 x .0098 x 15.7"	8.0 x 0.25 x 400mm	Hole	\$9.00
No. 33484	.315 x .0098 x 23.6"	8.0 x 0.25 x 600mm	Hole	\$5.00
No. 16767	.315 x .0098 x 28"	8.0 x 0.25 x 711mm	Hole	\$5.25
No. 19679	.315 x .0098 x 32"	8.0 x 0.25 x 813mm	Hole	\$5.50
No. 17488	.315 x .0098 x 39-1/2"	8.0 x 0.25 x 1003mm	Hole	\$6.00
No. 16768	.315 x .011 x 45-1/4"	8.0 x 0.28 x 1149mm	Hole	\$6.25
No. 33475	.315 x .0118 x 48"	8.0 x 0.30 x 1219mm	Hole	\$4.75
No. 17489	.315 x .015 x 40"	8.0 x 0.38 x 1016mm	Hole	\$6.00
No. 33537	.315 x .0157 x 51.2"	8.0 x 0.40 x 1300mm	Hole	\$6.50
No. 17490	.315 x .016 x 54"	8.0 x 0.41 x 1372mm	Hole	\$6.50
No. 16769	.3425 x .013 x 66"	8.7 x 0.33 x 1676mm	Hole	\$7.50
No. 33438	.354 x .0098 x 23.6"	9.0 x 0.25 x 600mm	Hole	\$9.50
No. 16770	.354 x .011 x 45-1/4"	9.0 x 0.28 x 1149mm	Hole	\$6.50
No. 33439	.354 x .0118 x 23.6"	9.0 x 0.30 x 600mm	Hole	\$10.00
No. 16772	.374 x .011 x 48"	9.5 x 0.28 x 1219mm	Hole	\$5.75
No. 14224	.374 x .014 x 48"	9.5 x 0.36 x 1219mm	Hole	\$7.50
No. 33476	.374 x .015 x 78.7"	9.5 x 0.38 x 2000mm	Hole	\$6.50
No. 16773	.374 x .017 x 54"	9.5 x 0.43 x 1372mm	Hole	\$7.50
No. 33477	.394 x .0098 x 32.3"	10.0 x 0.25 x 820mm	Hole	\$5.00
No. 33528	.394 x .011 x 32.3"	10.0 x 0.28 x 820mm	Hole	\$5.25
No. 16774	.394 x .011 x 45-1/4"	10.0 x 0.28 x 1149mm	Hole	\$7.00
No. 16775	.394 x .0118 x 73"	10.0 x 0.30 x 1854mm	Hole	\$8.00
No. 33517	.394 x .0118 x 86.6"	10.0 x 0.30 x 2200mm	Hole	\$8.00
No. 33466	.394 x .013 x 70.9"	10.0 x 0.33 x 1800mm	Hole	\$8.00
No. 33525	.394 x .0134 x 78.7"	10.0 x 0.34 x 2000mm	Hole	\$8.00
No. 33523	.394 x .015 x 53.1"	10.0 x 0.38 x 1350mm	Hole	\$8.00

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 33478	.433 x .0098 x 32.3"	11.0 x 0.25 x 820mm	Hole	\$6.00
No. 33540	.433 x .0098 x 39.4"	11.0 x 0.25 x 1000mm	Hole	\$6.50
No. 33479	.433 x .011 x 45.3"	11.0 x 0.28 x 1150mm	Hole	\$6.75
No. 16777	.433 x .011 x 49"	11.0 x 0.28 x 1245mm	Hole	\$7.00
No. 33516	.433 X .0114 X 41.3"	11.0 x 0.29 x 1050mm	Hole	\$7.00
No. 33480	.433 x .013 x 46.5"	11.0 x 0.33 x 1180mm	Hole	\$7.25
No. 33481	.433 x .0134 x 64.6"	11.0 x 0.34 x 1640mm	Hole	\$7.50
No. 16778	.433 x .0153 x 55-1/2"	11.0 x 0.39 x 1410mm	Hole	\$7.50
No. 33483	.472 x .0098 x 32.3"	12.0 x 0.25 x 820mm	Hole	\$6.75
No. 16779	.472 .0098 x 39.4"	12.0 x 0.25 x 1000mm	Hole	\$7.00
No. 33485	.472 x .0106 x 49.2"	12.0 x 0.27 x 1250mm	Hole	\$7.25
No. 33518	.472 x .011 x 45.3"	12.0 x 0.28 x 1150mm	Hole	\$7.50
No. 14207	.472 x .0118 x 48"	12.0 x 0.30 x 1219mm	Hole	\$12.00
No. 16780	.472 x .0118 x 53"	12.0 x 0.30 x 1346mm	Hole	\$7.50
No. 15928	.472 x .0126 x 45-1/4"	12.0 x 0.32 x 1150mm	Hole	\$7.00
No. 33486	.472 x .0126 x 55.1"	12.0 x 0.32 x 1400mm	Hole	\$7.50
No. 14206	.472 x .013 x 27"	12.0 x 0.33 x 686mm	Hole	\$12.00
No. 15926	.472 x .0134 x 45-1/4"	12.0 x 0.34 x 1150mm	Hole	\$7.00
No. 33488	.472 x .0138 x 43.3"	12.0 x 0.35 x 1100mm	Hole	\$7.00
No. 14205	.472 x .015 x 23"	12.0 x 0.38 x 584mm	Hole	\$12.00
No. 33489	.472 x .015 x 55.1"	12.0 x 0.38 x 1400mm	Hole	\$8.00
No. 15927	.472 x .0165 x 43"	12.0 x 0.42 x 1100mm	Hole	\$7.00
No. 33490	.492 x .0079 x 78"	12.5 x 0.20 x 1981mm	Hole	\$8.00
No. 34020	.500 x .0124 x 33"	12.7 x 0.315 x 838mm	Hole	\$9.00
No. 16902	.500 x .013 x 60"	12.7 x 0.33 x 1524mm	Hole	\$8.00
No. 16783	.500 x .015 x 36"	12.7 x 0.38 x 914mm	Hole	\$7.50
No. 16784	.500 x .016 x 65"	12.7 x 0.41 x 1651mm	Hole	\$8.00
No. 16785	.500 x .018 x 60"	12.7 x 0.46 x 1524mm	Hole	\$8.50
No. 33491	.512 x .0098 x 32.3"	13.0 x 0.25 x 820mm	Hole	\$7.50
No. 33492	.512 x .0098 x 39.4"	13.0 x 0.25 x 1000mm	Hole	\$7.75
No. 16788	.512 x .0118 x 53"	13.0 x 0.30 x 1346mm	Hole	\$8.00
No. 33538	.512 x .0138 x 39.4"	13.0 x 0.35 x 1000mm	Hole	\$10.00
No. 14208	.512 x .014 x 38"	13.0 x 0.36 x 965mm	Hole	\$12.00
No. 14209	.512 x .022 x 28"	13.0 x 0.56 x 711mm	Hole	\$12.00
No. 17492	.532 x .0098 x 72"	13.5 x 0.25 x 1829mm	Hole	\$9.50
No. 34021	.532 x .011 x 66"	13.5 x 0.28 x 1675mm	Hole	\$11.50
No. 34022	.532 x .0116 x 61.4"	13.5 x 0.295 x 1562mm	Hole	\$11.50
No. 16789	.551 x .011 x 45-1/4"	14.0 x 0.28 x 1149mm	Hole	\$8.00
No. 16790	.551 x .011 x 49"	14.0 x 0.28 x 1245mm	Hole	\$8.00
No. 33494	.551 x .011 x 55.1"	14.0 x 0.28 x 1400mm	Hole	\$8.00
No. 16791	.551 x .0118 x 61"	14.0 x 0.30 x 1549mm	Hole	\$9.50
No. 14210	.551 x .013 x 27"	14.0 x 0.33 x 686mm	Hole	\$12.00
No. 33496	.551 x .0138 x 39.4"	14.0 x 0.35 x 1000mm	Hole	\$12.00
No. 14212	.551 x .014 x 32"	14.0 x 0.36 x 813mm	Hole	\$12.00
No. 16792	.551 x .0155 x 37-1/2"	14.0 x 0.39 x 953mm	Hole	\$8.50
No. 14211	.551 x .016 x 28"	14.0 x 0.41 x 711mm	Hole	\$12.00
No. 16793	.563 x .011 x 39"	14.3 x 0.28 x 991mm	Hole	\$9.50
No. 16794	.563 x .016 x 42"	14.3 x 0.41 x 1067mm	Hole	\$9.50
No. 16796	.591 x .011 x 49"	15.0 x 0.28 x 1245mm	Hole	\$9.50
No. 16797	.591 x .0118 x 53"	15.0 x 0.30 x 1346mm	Hole	\$9.50
No. 33497	.591 x .015 x 47.2"	15.0 x 0.38 x 1200mm	Hole	\$10.00
No. 33498	.591 x .0157 x 48"	15.0 x 0.40 x 1220mm	Hole	\$10.00
No. 16798	.630 x .0098 x 39-1/2"	16.0 x 0.25 x 1003mm	Hole	\$10.00
No. 16799	.630 x .011 x 45-1/4"	16.0 x 0.28 x 1149mm	Hole	\$10.00
No. 16800	.630 x .011 x 49"	16.0 x 0.28 x 1245mm	Hole	\$11.00
No. 16801	.630 x .013 x 78"	16.0 x 0.33 x 1981mm	Hole	\$11.50
No. 16802	.630 x .013 x 105"	16.0 x 0.33 x 2667mm	Hole	\$16.00
No. 16803	.630 x .014 x 70"	16.0 x 0.36 x 2667mm	Hole	\$14.50
No. 16804	.630 x .016 x 59"	16.0 x 0.41 x 1499mm	Hole	\$11.00
No. 16805	.630 x .0175 x 43-1/2"	16.0 x 0.44 x 1105mm	Hole	\$9.00
No. 14313	.630 x .018 x 41"	16.0 x 0.46 x 1105mm	Hole	\$13.50
No. 17493	.630 x .018 x 72"	16.0 x 0.46 x 1829mm	Hole	\$12.50
No. 16806	.630 x .018 x 96"	16.0 x 0.46 x 2438mm	Hole	\$17.00
No. 29285	.630 x .0236 x 108"	16.0 x 0.60 x 2743mm	Hole	\$17.50
No. 34023	.656 x .0945 x 77.4"	16.6 x 0.24 x 1968mm	Hole	\$11.50
No. 34024	.656 x .011 x 71"	16.6 x 0.28 x 1803mm	Hole	\$11.50
No. 33499	.656 x .011 x 72"	16.6 x 0.28 x 1829mm	Hole	\$11.50
No. 34025	.656 x .011 x 84"	16.6 x 0.28 x 2135mm	Hole	\$13.50

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mainsprings for 400-day (anniversary), fusee,
Junghans, Lux & Keebler, Seth Thomas, 30-hour,
8-day, 31-day, & German clocks, music movements,
time recorders & many collectible toys.**

Timesavers New Expanded Listing Of Hole End Mainsprings



Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 16808	.670 x .0098 x 39-1/2"	17.0 x 0.25 x 1003mm	Hole	\$9.00
No. 16807	.670 x .0098 x 72"	17.0 x 0.25 x 1829mm	Hole	\$11.50
No. 16809	.670 x .011 x 45-1/4"	17.0 x 0.28 x 1149mm	Hole	\$10.00
No. 18443	.670 x .011 x 49"	17.0 x 0.28 x 1245mm	Hole	\$9.50
No. 15929	.670 x .015 x 43"	17.0 x 0.38 x 1100mm	Hole	\$9.00
No. 15924	.670 x .0157 x 47-1/4"	17.0 x 0.40 x 1200mm	Hole	\$9.00
No. 15933	.670 x .0165 x 47-1/4"	17.0 x 0.42 x 1200mm	Hole	\$9.00
No. 15922	.670 x .0165 x 59"	17.0 x 0.42 x 1500mm	Hole	\$10.00
No. 15921	.670 x .0177 x 58-1/2"	17.0 x 0.45 x 1490mm	Hole	\$10.00
No. 14248	.670 x .018 x 54"	17.0 x 0.46 x 1372mm	Hole	\$8.50
No. 33501	.670 x .0021 x 47.2"	17.0 x 0.53 x 1200mm	Hole	\$16.00
No. 16811	.688 x .012 x 72"	17.4 x 0.30 x 1829mm	Hole	\$12.00
No. 14204	.688 x .014 x 54"	17.4 x 0.36 x 1372mm	Hole	\$8.00
No. 16812	.688 x .018 x 96"	17.4 x 0.46 x 2438mm	Hole	\$16.50
No. 17495	.709 x .011 x 49"	18.0 x 0.28 x 1245mm	Hole	\$8.00
No. 17496	.709 x .0118 x 53"	18.0 x 0.30 x 1346mm	Hole	\$8.50
No. 16813	.709 x .0118 x 61"	18.0 x 0.30 x 1549mm	Hole	\$11.50
No. 19689	.709 x .016 x 56"	18.0 x 0.41 x 1422mm	Hole	\$11.00
No. 14247	.709 x .016 x 61-1/2"	18.0 x 0.41 x 1562mm	Hole	\$11.50
No. 33502	.709 x .017 x 43.3"	18.0 x 0.43 x 1100mm	Hole	\$11.50
No. 14232	.709 x .0175 x 70"	18.0 x 0.44 x 1778mm	Hole	\$12.00
No. 14314	.709 x .018 x 44"	18.0 x 0.46 x 1118mm	Hole	\$13.50
No. 17497	.709 x .019 x 47"	18.0 x 0.48 x 1194mm	Hole	\$10.00
No. 16814	.709 x .021 x 48"	18.0 x 0.53 x 1219mm	Hole	\$10.00
No. 23138	.740 x .016 x 116"	18.8 x 0.41 x 2946mm	Hole	\$10.50
No. 16815	.750 x .0098 x 72"	19.0 x 0.23 x 1829mm	Hole	\$11.50
No. 17498	.750 x .010 x 39-1/2"	19.0 x 0.25 x 1003mm	Hole	\$9.50
No. 19690	.750 x .011 x 45-1/4"	19.0 x 0.28 x 1149mm	Hole	\$9.00
No. 19691	.750 x .011 x 49"	19.0 x 0.28 x 1245mm	Hole	\$9.25
No. 17499	.750 x .011 x 50"	19.0 x 0.30 x 1270mm	Hole	\$9.50
No. 16816	.750 x .0118 x 53"	19.0 x 0.30 x 1346mm	Hole	\$10.00
No. 16817	.750 x .0118 x 61"	19.0 x 0.30 x 1549mm	Hole	\$11.00
No. 17500	.750 x .0118 x 75"	19.0 x 0.30 x 1905mm	Hole	\$12.50
No. 16818	.750 x .0118 x 90"	19.0 x 0.30 x 2286mm	Hole	\$14.00
No. 14245	.750 x .013 x 54"	19.0 x 0.33 x 1372mm	Hole	\$10.00
No. 16819	.750 x .014 x 90"	19.0 x 0.36 x 2286mm	Hole	\$14.00
No. 14235	.750 x .0145 x 72"	19.0 x 0.37 x 1829mm	Hole	\$9.00
No. 16820	.750 x .015 x 72"	19.0 x 0.38 x 1829mm	Hole	\$12.00
No. 16821	.750 x .0155 x 53-1/2"	19.0 x 0.39 x 1359mm	Hole	\$12.00
No. 14315	.750 x .016 x 38"	19.0 x 0.41 x 965mm	Hole	\$13.50
No. 14317	.750 x .016 x 53"	19.0 x 0.41 x 1346mm	Hole	\$13.50
No. 16822	.750 x .016 x 56"	19.0 x 0.41 x 1422mm	Hole	\$11.00
No. 16823	.750 x .016 x 60"	19.0 x 0.41 x 1524mm	Hole	\$11.00
No. 22677	.750 x .0165 x 64"	19.0 x 0.42 x 1625mm	Hole	\$9.00
No. 19692	.750 x .017 x 44"	19.0 x 0.43 x 1118mm	Hole	\$10.50
No. 14316	.750 x .017 x 45"	19.0 x 0.43 x 1143mm	Hole	\$13.50
No. 14234	.750 x .0175 x 70"	19.0 x 0.44 x 1778mm	Hole	\$10.00
No. 17502	.750 x .018 x 96"	19.0 x 0.46 x 2438mm	Hole	\$17.00
No. 17503	.750 x .019 x 68-1/2"	19.0 x 0.48 x 1740mm	Hole	\$12.00
No. 33504	.787 x .0098 x 39.4"	20.0 x 0.25 x 1000mm	Hole	\$9.00
No. 33526	.787 x .0098 x 45.3"	20.0 x 0.25 x 1150mm	Hole	\$9.00
No. 19693	.787 x .011 x 45-1/4"	20.0 x 0.28 x 1149mm	Hole	\$10.00
No. 19694	.787 x .011 x 49"	20.0 x 0.28 x 1245mm	Hole	\$11.00
No. 16824	.787 x .0118 x 53"	20.0 x 0.30 x 1245mm	Hole	\$13.50
No. 19695	.787 x .012 x 61"	20.0 x 0.30 x 1549mm	Hole	\$13.50
No. 14318	.787 x .016 x 53"	20.0 x 0.41 x 1346mm	Hole	\$15.00
No. 19696	.787 x .0175 x 70"	20.0 x 0.44 x 1778mm	Hole	\$16.00
No. 16825	.787 x .018 x 76-1/2"	20.0 x 0.46 x 1943mm	Hole	\$15.00

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 16826	.827 x .011 x 45-1/4"	21.0 x 0.28 x 1149mm	Hole	
No. 19697	.827 x .011 x 49"	21.0 x 0.28 x 1245mm	Hole	
No. 19698	.827 x .012 x 53"	21.0 x 0.30 x 1346mm	Hole	
No. 16827	.827 x .012 x 61"	21.0 x 0.30 x 1549mm	Hole	\$13.00
No. 16828	.827 x .0125 x 67"	21.0 x 0.32 x 1702mm	Hole	\$16.00
No. 14319	.827 x .015 x 100"	21.0 x 0.38 x 2540mm	Hole	\$18.50
No. 15930	.827 x .0157 x 61"	21.0 x 0.40 x 1550mm	Hole	\$12.50
No. 15934	.827 x .0165 x 75	21.0 x 0.42 x 1900mm	Hole	\$12.50
No. 15935	.827 x .0177 x 71"	21.0 x 0.45 x 1800mm	Hole	\$12.50
No. 33522	.866 x .011 x 49.2"	22.0 x 0.28 x 1250mm	Hole	\$12.50
No. 33520	.866 x .0118 x 53.1"	22.0 x 0.30 x 1350mm	Hole	\$12.50
No. 33521	.866 x .0118 x 57.1"	22.0 x 0.30 x 1450mm	Hole	\$12.50
No. 33506	.866 x .0118 x 59"	22.0 x 0.30 x 1500mm	Hole	\$12.50
No. 33508	.866 x .017 x 74.8"	22.0 x 0.43 x 1900mm	Hole	\$14.00
No. 33509	.866 x .0177 x 88.6"	22.0 x 0.45 x 2250mm	Hole	\$16.00
No. 16829	.874 x .011 x 49"	22.2 x 0.28 x 1245mm	Hole	\$12.00
No. 16830	.874 x .012 x 53"	22.2 x 0.30 x 1340mm	Hole	\$13.00
No. 16831	.874 x .012 x 61"	22.2 x 0.30 x 1549mm	Hole	\$14.50
No. 19699	.874 x .0125 x 67"	22.2 x 0.32 x 1702mm	Hole	\$15.00
No. 16832	.874 x .013 x 72"	22.2 x 0.33 x 1829mm	Hole	\$15.50
No. 16833	.874 x .0153 x 50"	22.2 x 0.39 x 1270mm	Hole	\$14.00
No. 16834	.874 x .0175 x 70"	22.2 x 0.44 x 1778mm	Hole	\$15.00
No. 19700	.874 x .018 x 84"	22.2 x 0.46 x 2137mm	Hole	\$17.00
No. 16835	.874 x .018 x 96"	22.2 x 0.46 x 2438mm	Hole	\$20.50
No. 16836	.874 x .0197 x 56"	22.2 x 0.50 x 1422mm	Hole	\$15.00
No. 33511	.906 x .0138 x 39.4"	23.0 x 0.35 x 1000mm	Hole	\$13.50
No. 33512	.945 x .014 x 82.7"	24.0 x 0.36 x 2100mm	Hole	\$15.50
No. 33513	.945 x .0177 x 82.7"	24.0 x 0.45 x 2100mm	Hole	\$15.50
No. 32164	.953 x .0153 x 59.1"	24.2 x 0.39 x 1500mm	Hole	\$16.50
No. 16837	.953 x .0173 x 70"	24.2 x 0.44 x 1778mm	Hole	\$19.00
No. 16838	.953 x .018 x 76.5"	24.2 x 0.46 x 1943mm	Hole	\$18.00
No. 16839	.965 x .018 x 78.5"	24.5 x 0.46 x 1994mm	Hole	\$19.00
No. 33514	.984 x .0177 x 80.7"	25.0 x 0.45 x 2050mm	Hole	\$19.00
No. 16840	1.00 x .018 x 96"	25.4 x 0.46 x 2438mm	Hole	\$22.00
No. 23137	1.00 x .022 x 136"	25.4 x 0.56 x 3454mm	Hole	\$26.50
No. 33515	1.024 x .0197 x 55.9"	26.0 x 0.50 x 1420mm	Hole	\$22.50
No. 19535	1.125 x .0175 x 82-1/2"	28.6 x 0.44 x 2098mm	Hole	\$24.00
No. 19536	1.251 x .0175 x 82-1/2"	31.8 x 0.44 x 2098mm	Hole	\$34.00
No. 19537	1.251 x .0175 x 88-1/2"	31.8 x 0.44 x 2250mm	Hole	\$35.00
No. 19538	1.251 x .0175 x 94-3/8"	31.8 x 0.44 x 2398mm	Hole	\$46.00
No. 19539	1.378 x .0175 x 82-1/2"	35.0 x 0.44 x 2098mm	Hole	\$37.00
No. 19540	1.378 x .0175 x 88-1/2"	35.0 x 0.44 x 2098mm	Hole	\$50.00
No. 33423	1.378 x .0275 x 130-3/4"	35.0 x 0.70 x 3320mm	Hole	\$26.50
No. 19542	1.496 x .0175 x 88-1/2"	38.0 x 0.44 x 2250mm	Hole	\$42.00
No. 19543	1.496 x .0175 x 94-3/8"	38.0 x 0.44 x 2398mm	Hole	\$43.00
No. 19545	1.496 x .0175 x 114"	38.0 x 0.44 x 2896mm	Hole	\$68.00
No. 19544	1.626 x .0175 x 88-1/2"	41.3 x 0.44 x 2250mm	Hole	\$46.00
No. 19546	1.626 x .0175 x 114"	41.3 x 0.44 x 2896mm	Hole	\$60.00
No. 33426	1.750 x .017 x 82.6"	44.5 x 0.43 x 1113mm	Hole	\$50.00
No. 33427	1.750 x .017 x 94.4"	44.5 x .043 x 2398mm	Hole	\$56.00

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Timesavers New Expanded Listing Of Hook End Mainsprings



Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 80001	.063 x .0067 x 14.5"	1.6 x 0.17 x 370mm	Hook	\$5.00
No. 80002	.063 x .0098 x 35.4"	1.6 x 0.25 x 900mm	Hook	\$5.00
No. 80003	.067 x .006 x 16"	1.7 x 0.15 x 410mm	Hook	\$5.00
No. 80004	.071 x .0025 x 11.8"	1.8 x 0.10 x 300mm	Hook	\$5.00
No. 80005	.079 x .007 x 19"	2.0 x 0.18 x 480mm	Hook	\$5.25
No. 80006	.087 x .006 x 25.6"	2.2 x 0.15 x 650mm	Hook	\$5.25
No. 80007	.087 x .0063 x 21.7"	2.2 x 0.16 x 550mm	Hook	\$5.25
No. 80008	.090 x .007 x 21.3"	2.3 x 0.18 x 540mm	Hook	\$5.25
No. 80009	.090 x .007 x 24.4"	2.3 x 0.18 x 620mm	Hook	\$5.25
No. 80010	.090 x .007 x 27"	2.3 x 0.18 x 690mm	Hook	\$5.25
No. 80011	.090 x .0079 x 24.4"	2.3 x 0.20 x 620mm	Hook	\$5.25
No. 80012	.094 x .067 x 21.7"	2.4 x 0.17 x 550mm	Hook	\$5.25
No. 80013	.094 x .067 x 22.8"	2.4 x 0.17 x 580mm	Hook	\$5.25
No. 80014	.094 x .067 x 24.8"	2.4 x 0.17 x 630mm	Hook	\$5.25
No. 80015	.094 x .007" x 19"	2.4 x 0.18 x 480mm	Hook	\$5.25
No. 80016	.098 x .025 x 19.7"	2.5 x 0.10 x 500mm	Hook	\$5.25
No. 80017	.098 x .0055 x 19.7"	2.5 x 0.14 x 500mm	Hook	\$5.25
No. 80018	.098 x .0073 x 21"	2.5 x 0.185 x 535mm	Hook	\$5.25
No. 80019	.098 x .0075 x 21"	2.5 x 0.19 x 535mm	Hook	\$5.25
No. 80020	.098 x .008 x 21.2"	2.5 x 0.21 x 540mm	Hook	\$5.25
No. 80022	.098 x .0087 x 21.7"	2.5 x 0.22 x 550mm	Hook	\$5.25
No. 80023	.102 x .0055 x 21.7"	2.6 x 0.14 x 550mm	Hook	\$5.25
No. 80024	.106 x .0055 x 19"	2.7 x 0.14 x 480mm	Hook	\$5.25
No. 80025	.106 x .0055 x 19.3"	2.7 x 0.14 x 490mm	Hook	\$5.25
No. 80026	.106 x .0079 x 20"	2.7 x 0.20 x 510mm	Hook	\$5.25
No. 80027	.110 x .0063 x 27"	2.8 x 0.16 x 690mm	Hook	\$5.25
No. 80028	.110 x .007 x 24.8"	2.8 x 0.18 x 630mm	Hook	\$5.25
No. 80029	.110 x .0079 x 25.6"	2.8 x 0.20 x 650mm	Hook	\$5.25
No. 80030	.110 x .0098 x 22"	2.8 x 0.25 x 560mm	Hook	\$5.25
No. 80031	.114 x .005 x 17.7"	2.9 x 0.13 x 450mm	Hook	\$5.25
No. 80032	.114 x .0055 x 27.6"	2.9 x 0.14 x 700mm	Hook	\$5.25
No. 80033	.114 x .0087 x 20.9"	2.9 x 0.22 x 530mm	Hook	\$5.25
No. 80034	.118 x .005 x 26.4"	3.0 x 0.13 x 670mm	Hook	\$5.50
No. 80035	.118 x .0055 x 13.8"	3.0 x 0.14 x 350mm	Hook	\$5.50
No. 80036	.118 x .0055 x 23.6"	3.0 x 0.14 x 600mm	Hook	\$5.50
No. 80037	.118 x .006 x 20"	3.0 x 0.15 x 510mm	Hook	\$5.50
No. 80038	.118 x .0063 x 27.6"	3.0 x 0.16 x 700mm	Hook	\$5.50
No. 80039	.118 x .0079 x 22"	3.0 x 0.20 x 560mm	Hook	\$5.50
No. 80040	.118 x .0087 x 22.8"	3.0 x 0.22 x 580mm	Hook	\$5.50
No. 80041	.118 x .0094 x 18"	3.0 x 0.24 x 460mm	Hook	\$5.50
No. 80042	.118 x .0094 x 20"	3.0 x 0.24 x 510mm	Hook	\$5.50
No. 80043	.134 x .0055 x 12.8"	3.4 x 0.14 x 325mm	Hook	\$5.50
No. 80044	.134 x .0087 x 18"	3.4 x 0.22 x 460mm	Hook	\$5.50
No. 80110	.134 x .0098 x 22"	3.4 x 0.25 x 560mm	Hook	\$5.50
No. 80109	.138 x .005 x 15"	3.5 x 0.125 x 380mm	Hook	\$5.00
No. 80045	.138 x .011 x 22.6"	3.5 x 0.28 x 575mm	Hook	\$5.50
No. 80048	.150 x .0075 x 16.9"	3.8 x 0.19 x 430mm	Hook	\$5.50
No. 80050	.150 x .009 x 17.7"	3.8 x 0.23 x 450mm	Hook	\$5.50
No. 80051	.150 x .009 x 33.9"	3.8 x 0.23 x 860mm	Hook	\$5.50
No. 80052	.150 x .0094 x 23.6"	3.8 x 0.24 x 600mm	Hook	\$5.50
No. 80053	.150 x .0138 x 33.5"	3.8 x 0.35 x 850mm	Hook	\$5.50
No. 80054	.154 x .0118 x 38"	3.9 x 0.30 x 970mm	Hook	\$5.50

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 80055	.158 x .0075 x 28.3"	4.0 x 0.19 x 720mm	Hook	\$5.75
No. 80056	.158 x .0079 x 24"	4.0 x 0.20 x 610mm	Hook	\$5.75
No. 80057	.158 x .0083 x 22.8"	4.0 x 0.21 x 580mm	Hook	\$5.75
No. 80058	.158 x .0083 x 25.6"	4.0 x 0.21 x 650mm	Hook	\$5.75
No. 80059	.158 x .0087 x 19.7"	4.0 x 0.22 x 500mm	Hook	\$5.75
No. 80060	.165 x .0075 x 22"	4.2 x 0.19 x 560mm	Hook	\$5.75
No. 80061	.165 x .009 x 19.7"	4.2 x 0.23 x 500mm	Hook	\$5.75
No. 80062	.165 x .009 x 29.5"	4.2 x 0.23 x 750mm	Hook	\$5.75
No. 80063	.165 x .010 x 21.7"	4.2 x 0.26 x 550mm	Hook	\$5.75
No. 80064	.169 x .0075 x 21.7"	4.3 x 0.19 x 550mm	Hook	\$5.75
No. 80065	.169 x .0087 x 21.3"	4.3 x .022 x 540mm	Hook	\$5.75
No. 80066	.169 x .0094 x 20.5"	4.3 x 0.24 x 520mm	Hook	\$5.75
No. 80067	.169 x .0094 x 27.6"	4.3 x 0.24 x 700mm	Hook	\$5.75
No. 80068	.173 x .0063 x 23.6"	4.4 x 0.16 x 600mm	Hook	\$5.75
No. 80069	.173 x .0075 x 22.4"	4.4 x 0.19 x 565mm	Hook	\$5.75
No. 80070	.173 x .0079 x 21.7"	4.4 x 0.20 x 550mm	Hook	\$5.75
No. 80071	.173 x .0079 x 25.6"	4.4 x 0.20 x 650mm	Hook	\$5.75
No. 80073	.177 x .0087 x 24.8"	4.5 x 0.22 x 630mm	Hook	\$5.75
No. 80074	.181 x .0075 x 20.5"	4.6 x 0.19 x 520mm	Hook	\$5.75
No. 80077	.181 x .0087 x 28.3"	4.6 x 0.22 x 720mm	Hook	\$5.75
No. 80079	.189 x .009 x 29.5"	4.8 x 0.23 x 750mm	Hook	\$5.75
No. 80083	.213 x .010 x 23.6"	5.4 x 0.26 x 600mm	Hook	\$6.00
No. 80085	.224 x .0083 x 21.7"	5.7 x 0.21 x 550mm	Hook	\$6.50
No. 80086	.224 x .009 x 30.5"	5.7 x 0.23 x 775mm	Hook	\$6.50
No. 80087	.228 x .0079 x 20"	5.8 x 0.20 x 510mm	Hook	\$9.00
No. 80088	.228 x .0094 x 31.5"	5.8 x 0.24 x 800mm	Hook	\$9.50
No. 80089	.236 x .0079 x 19.7"	6.0 x 0.20 x 500mm	Hook	\$6.50
No. 80093	.256 x .0106 x 25.6"	6.5 x 0.27 x 650mm	Hook	\$6.50
No. 80094	.272 x .0075 x 20.9"	6.9 x 0.19 x 530mm	Hook	\$6.50
No. 80095	.2755 x .0055 x 68.9"	7.0 x 0.14 x 1750mm	Hook	\$10.00
No. 80097	.2755 x .0079 x 33.9"	7.0 x 0.20 x 860mm	Hook	\$7.00
No. 33576	.2755 x .0098 x 21.7"	7.0 x 0.25 x 550mm	Hook	\$6.00
No. 80100	.2755 x .011 x 87.4"	7.0 x 0.28 x 2220mm	Hook	\$12.00
No. 80101	.2755 x .0126 x 82.3"	7.0 x 0.32 x 2090mm	Hook	\$12.00
No. 80102	.315 x .0087 x 27.6"	8.0 x 0.22 x 700mm	Hook	\$7.50
No. 80104	.315 x .015 x 41.3"	8.0 x 0.38 x 1050mm	Hook	\$10.00
No. 80105	.335 x .007 x 22"	8.5 x 0.18 x 560mm	Hook	\$10.00
No. 80107	.346 x .0098 x 24"	8.8 x 0.25 x 610mm	Hook	\$10.00
No. 80108	.433 x .0087 x 39.4"	11.0 x 0.22 x 1000mm	Hook	\$12.00

**Always
remember to use
eye, face and
hand protection
when working
with
mainsprings.**



Loop
End



Timesavers New Expanded Listing Of Loop End Mainsprings

We've added over 100 new hard-to-find sizes, some in limited supply.
Most are smaller open loop mainsprings used on music, travel, alarm, and other clocks.



Open
Loop
End

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 85000	.079 x .0067 x 17.7"	2.0 x 0.17 x 450mm	OL	\$5.00
No. 85001	.094 x .009 x 23.6"	2.4 x 0.23 x 600mm	OL	\$4.75
No. 85002	.094 x .0098 x 15.7"	2.4 x 0.25 x 400mm	OL	\$4.75
No. 85003	.098 x .0079 x 11.8"	2.5 x 0.20 x 300mm	OL	\$5.00
No. 85004	.098 x .0079 x 21"	2.5 x 0.20 x 535mm	OL	\$5.00
No. 85005	.098 x .009 x 11.8"	2.5 x 0.23 x 300mm	OL	\$5.00
No. 85006	.102 x .0075 x 21.2"	2.6 x 0.19 x 540mm	OL	\$5.00
No. 85007	.102 x .0082 x 20.9"	2.6 x 0.21 x 530mm	OL	\$5.00
No. 85008	.110 x .0067 x 23.6"	2.8 x 0.17 x 600mm	OL	\$5.00
No. 85009	.118 x .008 x 16"	3.0 x 0.20 x 410mm	OL	\$5.25
No. 85010	.118 x .008 x 17.7"	3.0 x 0.20 x 450mm	OL	\$5.25
No. 85011	.118 x .008 x 21.2"	3.0 x 0.20 x 540mm	OL	\$5.25
No. 85012	.118 x .0082 x 13.8"	3.0 x 0.21 x 350mm	OL	\$5.25
No. 85013	.118 x .0082 x 20.4"	3.0 x 0.21 x 520mm	OL	\$5.25
No. 85014	.118 x .0087 x 17.7"	3.0 x 0.22 x 450mm	OL	\$5.25
No. 85015	.118 x .009 x 14.2"	3.0 x 0.23 x 360mm	OL	\$5.25
No. 85016	.118 x .009 x 17"	3.0 x 0.23 x 430mm	OL	\$5.25
No. 85017	.118 x .009 x 19.7"	3.0 x 0.23 x 500mm	OL	\$5.25
No. 85018	.118 x .009 x 20.9"	3.0 x 0.23 x 530mm	OL	\$5.25
No. 85019	.118 x .009 x 21.2"	3.0 x 0.23 x 540mm	OL	\$5.25
No. 85020	.118 x .009 x 22"	3.0 x 0.23 x 560mm	OL	\$5.25
No. 85021	.118 x .0094 x 19.7"	3.0 x 0.24 x 500mm	OL	\$5.25
No. 85022	.118 x .0094 x 20.9"	3.0 x 0.24 x 530mm	OL	\$5.25
No. 85023	.118 x .0098 x 22"	3.0 x 0.25 x 560mm	OL	\$5.25
No. 85024	.118 x .0118 x 19.2"	3.0 x 0.30 x 490mm	OL	\$5.25
No. 85025	.118 x .0118 x 23.6"	3.0 x 0.30 x 600mm	OL	\$5.25
No. 85026	.118 x .0126 x 23.6"	3.0 x 0.32 x 600mm	OL	\$5.25
No. 16841	.126 x .0098 x 19"	3.2 x 0.25 x 483mm	OL	\$4.00
No. 85027	.138 x .007 x 23.6"	3.5 x 0.18 x 600mm	OL	\$5.50
No. 85028	.138 x .0075 x 22"	3.5 x 0.19 x 560mm	OL	\$5.50
No. 85029	.138 x .0118 x 22"	3.5 x 0.30 x 560mm	OL	\$5.50
No. 85030	.138 x .0138 x 33.5"	3.5 x 0.35 x 850mm	OL	\$5.50
No. 16842	.141 x .009 x 25"	3.6 x 0.23 x 635mm	OL	\$4.50
No. 16843	.141 x .009 x 26"	3.6 x 0.23 x 660mm	OL	\$4.50
No. 85092	.146 x .0079 x 21.2"	3.7 x 0.20 x 540mm	OL	\$7.50
No. 85031	.157 x .0067 x 22"	4.0 x 0.17 x 560mm	OL	\$5.75
No. 85032	.157 x .008 x 19.7"	4.0 x 0.20 x 500mm	OL	\$5.75
No. 85033	.157 x .0098 x 15.7"	4.0 x 0.25 x 400mm	OL	\$5.75
No. 85035	.157 x .0118 x 25.6"	4.0 x 0.30 x 650mm	OL	\$5.75
No. 85036	.165 x .0122 x 26.4"	4.2 x 0.31 x 670mm	OL	\$6.00
No. 85037	.165 x .013 x 26.8"	4.2 x 0.33 x 680mm	OL	\$6.00
No. 85038	.177 x .0098 x 21.7"	4.5 x 0.25 x 550mm	OL	\$6.25
No. 85039	.177 x .0098 x 25.6"	4.5 x 0.25 x 650mm	OL	\$6.25
No. 85040	.177 x .011 x 25.6"	4.5 x 0.28 x 650mm	OL	\$6.25
No. 85041	.177 x .0118 x 19.7"	4.5 x 0.30 x 500mm	OL	\$6.25
No. 16845	.177 x .0118 x 23.6"	4.5 x 0.30 x 600mm	OL	\$5.00
No. 85042	.177 x .0118 x 25.6"	4.5 x 0.30 x 650mm	OL	\$6.25
No. 85094	.177 x .0118 x 26.4"	4.5 x 0.30 x 670mm	OL	\$6.25
No. 17507	.189 x .0098 x 23"	4.8 x 0.25 x 584mm	Loop	\$4.50
No. 16847	.189 x .0118 x 31"	4.8 x 0.30 x 787mm	OL	\$5.00

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 85043	.197 x .0079 x 31.5"	5.0 x 0.20 x 800mm	OL	\$6.50
No. 33534	.197 x .0098 x 20.9"	5.0 x .025 x 530mm	OL	\$6.50
No. 85045	.197 x .0098 x 23.6"	5.0 x .025 x 600mm	OL	\$6.50
No. 85046	.197 x .0098 x 25.6"	5.0 x 0.25 x 650mm	OL	\$6.50
No. 85047	.197 x .010 x 22.8"	5.0 x 0.26 x 580mm	OL	\$6.50
No. 85048	.197 x .010 x 23.4"	5.0 x 0.26 x 595mm	OL	\$6.50
No. 17508	.197 x .010 x 25.5"	5.0 x 0.26 x 648mm	OL	\$6.50
No. 85049	.197 x .0106 x 22"	5.0 x 0.27 x 560mm	OL	\$6.50
No. 85050	.197 x .0106 x 26.8"	5.0 x 0.27 x 680mm	OL	\$6.50
No. 85051	.197 x .011 x 23.6"	5.0 x 0.28 x 600mm	OL	\$6.50
No. 85052	.197 x .011 x 25.6"	5.0 x 0.28 x 650mm	OL	\$6.50
No. 85053	.197 x .0118 x 25.6"	5.0 x 0.30 x 650mm	OL	\$6.50
No. 85054	.197 x .0118 x 27.5"	5.0 x 0.30 x 700mm	OL	\$6.50
No. 85055	.197 x .0126 x 26.8"	5.0 x 0.32 x 680mm	OL	\$6.50
No. 85056	.197 x .013 x 22.8"	5.0 x 0.33 x 580mm	OL	\$6.50
No. 85057	.197 x .014 x 26.8"	5.0 x 0.36 x 680mm	OL	\$6.50
No. 85058	.197 x .0157 x 25.6"	5.0 x 0.40 x 650mm	OL	\$6.50
No. 85060	.2165 x .014 x 26.8"	5.5 x 0.36 x 680mm	OL	\$6.75
No. 85061	.2165 x .0157 x 23.6"	5.5 x 0.40 x 600mm	OL	\$6.75
No. 85062	.2165 x .0165 x 33.5"	5.5 x 0.42 x 850mm	OL	\$6.75
No. 17509	.220 x .011 x 24"	5.6 x 0.28 x 610mm	Loop	\$5.00
No. 17510	.220 x .017 x 30"	5.6 x 0.43 x 762mm	OL	\$5.25
No. 85063	.236 x .0079 x 20"	6.0 x 0.20 x 510mm	OL	\$7.00
No. 85064	.236 x .0098 x 23.6"	6.0 x 0.25 x 600mm	OL	\$7.00
No. 85065	.236 x .0098 x 31.5"	6.0 x 0.25 x 800mm	OL	\$7.00
No. 85066	.236 x .0118 x 25.6"	6.0 x 0.30 x 650mm	OL	\$7.00
No. 85067	.236 x .0118 x 31.5"	6.0 x 0.30 x 800mm	OL	\$7.00
No. 85068	.236 x .015 x 19.3"	6.0 x 0.38 x 490mm		\$7.00
No. 16849	.252 x .0098 x 26"	6.4 x 0.25 x 660mm	OL	\$5.00
No. 17512	.252 x .0118 x 41"	6.4 x 0.30 x 1041mm	OL	\$5.50
No. 16850	.252 x .013 x 24"	6.4 x 0.33 x 610mm	Loop	\$5.75
No. 16851	.252 x .016 x 54"	6.4 x 0.41 x 1372mm	Loop	\$6.00
No. 85069	.256 x .006 x 35.4"	6.5 x 0.15 x 900mm	OL	\$7.50
No. 85070	.256 x .0098 x 25.6"	6.5 x 0.25 x 650mm	OL	\$7.50
No. 85071	.256 x .0106 x 25.6"	6.5 x 0.27 x 650mm	OL	\$7.50
No. 85072	.256 x .0138 x 27.5"	6.5 x 0.35 x 700mm	OL	\$7.50
No. 16852	.275 x .009 x 30"	7.0 x 0.23 x 762mm	Loop	\$5.50
No. 85073	.275 x .0098 x 25.6"	7.0 x 0.25 x 650mm	OL	\$7.50
No. 85074	.275 x .0118 x 25.6"	7.0 x 0.30 x 650mm	OL	\$7.50
No. 19702	.275 x .0118 x 27"	7.0 x 0.30 x 686mm	OL	\$5.75
No. 85075	.275 x .0146 x 33.5"	7.0 x 0.37 x 850mm	OL	\$7.50
No. 85076	.275 x .0157 x 17.7"	7.0 x 0.40 x 450mm	OL	\$7.50
No. 85077	.275 x .0165 x 55.9"	7.0 x 0.42 x 1420mm	OL	\$7.50
No. 16854	.275 x .017 x 48"	7.0 x 0.43 x 1219mm	Loop	\$7.50
No. 85078	.295 x .0082 x 59"	7.5 x 0.21 x 1500mm	OL	\$8.50
No. 85079	.295 x .0114 x .57"	7.5 x 0.29 x 1450mm	OL	\$8.50
No. 85080	.295 x .0118 x 43.3"	7.5 x 0.30 x 1100mm	OL	\$8.50
No. 85081	.295 x .0138 x 36.6"	7.5 x 0.35 x 930mm	OL	\$8.50
No. 85082	.295 x .014 x 34.6"	7.5 x 0.36 x 880mm	OL	\$8.50
No. 17514	.295 x .015 x 39"	7.5 x 0.38 x 990mm	OL	\$7.00
No. 33532	.295 x .0165 x 55.9"	7.5 x 0.42 x 1420mm	OL	\$8.50
No. 85091	.311 x .0146 x 35.4"	7.9 x 0.37 x 900mm	OL	\$8.00
No. 16855	.315 x .009 x 20"	8.0 x 0.23 x 508mm	OL	\$7.00
No. 85083	.315 x .0098 x 23.6"	8.0 x 0.25 x 600mm	OL	\$8.00
No. 14215	.315 x .0098 x 30"	8.0 x 0.25 x 762mm	OL	\$5.00
No. 33443	.315 x .0118 x 48"	8.0 x 0.30 x 1219mm	OL	\$8.50
No. 85084	.315 x .0126 x 43.3"	8.0 x 0.32 x 1100mm	OL	\$8.00

**View Our Mainspring Winders
On Page #114**

Loop
End



Timesavers New Expanded Listing Of Loop End Mainsprings

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Open
Loop
End

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 16858	.315 x .013 x 30"	8.0 x 0.33 x 762mm	Loop	\$6.50
No. 85085	.315 x .013 x 45.3"	8.0 x 0.33 x 1150mm	OL	\$7.50
No. 14202	.315 x .0146 x 42"	8.0 x 0.37 x 1067mm	Loop	\$3.50
No. 17516	.315 x .015 x 42"	8.0 x 0.38 x 1067mm	Loop	\$7.00
No. 33444	.315 x .015 x 48"	8.0 x 0.38 x 1219mm	OL	\$9.00
No. 85086	.315 x .015 x 78.7"	8.0 x 0.38 x 2000mm	OL	\$10.00
No. 17517	.315 x .016 x 54"	8.0 x 0.41 x 1372mm	Loop	\$8.00
No. 16860	.315 x .016 x 72"	8.0 x 0.41 x 1829mm	Loop	\$9.00
No. 17518	.315 x .017 x 42"	8.0 x 0.43 x 1067mm	OL	\$9.00
No. 17519	.315 x .020 x 46"	8.0 x 0.51 x 1168mm	Loop	\$10.00
No. 85087	.354 x .0098 x 23.6"	9.0 x 0.25 x 600mm	OL	\$7.50
No. 33533	.354 x .0157 x 51.2"	9.0 x 0.40 x 1300mm	OL	\$12.00
No. 16861	.374 x .011 x 51"	9.5 x 0.28 x 1295mm	Loop	\$7.50
No. 33445	.374 x .0118 x 36"	9.5 x 0.30 x 914mm	OL	\$8.00
No. 33446	.374 x .0118 x 56"	9.5 x 0.30 x 1422mm	OL	\$9.00
No. 16862	.374 x .013 x 34"	9.5 x 0.33 x 864mm	Loop	\$7.50
No. 16864	.374 x .014 x 60"	9.5 x 0.36 x 1524mm	OL	\$8.00
No. 14201	.374 x .0146 x 48"	9.5 x 0.37 x 1219mm	Loop	\$3.50
No. 16865	.374 x .015 x 53"	9.5 x 0.38 x 1346mm	Loop	\$8.00
No. 17523	.374 x .016 x 60"	9.5 x 0.41 x 1524mm	Loop	\$8.50
No. 16866	.374 x .017 x 96"	9.5 x 0.43 x 2438mm	Loop	\$12.50
No. 33448	.374 x .018 x 96"	9.5 x 0.46 x 2438mm	OL	\$15.00
No. 17524	.374 x .019 x 48"	9.5 x 0.48 x 1219mm	OL	\$9.00
No. 33449	.374 x .019 x 54"	9.5 x 0.48 x 1372mm	OL	\$10.00
No. 16867	.433 x .014 x 72"	11.0 x 0.36 x 1829mm	Loop	\$10.50
No. 16868	.433 x .018 x 48"	11.0 x 0.46 x 1219mm	Loop	\$9.00
No. 16869	.433 x .018 x 60"	11.0 x 0.46 x 1524mm	Loop	\$9.50
No. 33450	.437 x .0118 x 60"	11.1 x 0.30 x 1524mm	OL	\$10.00
No. 85090	.472 x .0165 x 67"	12.0 x 0.42 x 1700mm	OL	\$12.00
No. 33451	.500 x .015 x 60"	12.7 x 0.38 x 1524mm	OL	\$10.00
No. 16870	.500 x .015 x 84"	12.7 x 0.38 x 2137mm	Loop	\$11.00
No. 16871	.500 x .016 x 66"	12.7 x 0.41 x 1676mm	Loop	\$11.50
No. 16872	.500 x .018 x 60"	12.7 x 0.46 x 1524mm	Loop	\$12.50
No. 33452	.500 x .018 x 84"	12.7 x 0.46 x 2137mm	OL	\$15.00
No. 16873	.500 x .018 x 96"	12.7 x 0.46 x 2438mm	Loop	\$15.50

Part Number	Width x Thickness x Length Inches	Width x Thickness x Length Millimeters	End Style	Price
No. 85093	.512 x .0157 x 41.3"	13.0 x 0.40 x 1050mm	OL	\$12.50
No. 33453	.563 x .009 x 78"	14.3 x 0.23 x 1981mm	OL	\$12.50
No. 33454	.563 x .014 x 78"	14.3 x 0.36 x 1981mm	OL	\$12.50
No. 16874	.563 x .015 x 78"	14.3 x 0.38 x 1981mm	Loop	\$12.50
No. 33455	.563 x .015 x 80"	14.3 x 0.38 x 2032mm	OL	\$15.00
No. 16875	.563 x .0175 x 96"	14.3 x 0.44 x 2438mm	Loop	\$17.50
No. 33457	.625 x .0118 x 72"	15.9 x 0.30 x 1829mm	OL	\$12.00
No. 16876	.630 x .013 x 69"	16.0 x 0.33 x 1753mm	Loop	\$12.50
No. 14222	.630 x .0175 x 96"	16.0 x 0.44 x 2438mm	Loop	\$10.00
No. 33529	.688 x .014 x 108"	17.4 x 0.36 x 2743mm	Loop	\$17.00
No. 17525	.689 x .015 x 108"	17.5 x 0.38 x 2743mm	Loop	\$19.75
No. 20506	.689 x .0165 x 96"	17.5 x 0.42 x 2438mm	Loop	\$10.50
No. 16878	.689 x .018 x 96"	17.5 x 0.46 x 2438mm	Loop	\$10.50
No. 16879	.750 x .0118 x 72"	19.0 x 0.30 x 1829mm	Loop	\$15.50
No. 33531	.750 x .014 x 60"	19.0 x 0.36 x 1524mm	Loop	\$15.50
No. 16880	.750 x .014 x 108"	19.0 x 0.36 x 2743mm	Loop	\$17.50
No. 14203	.750 x .015 x 170"	19.0 x 0.38 x 4318mm	Loop	\$13.50
No. 16881	.750 x 0.16 x 78"	19.0 x 0.41 x 1981mm	Loop	\$15.00
No. 29515	.750 x .016 x 108"	19.0 x 0.41 x 2743mm	Loop	\$16.00
No. 00048	.750 x .0165 x 48"	19.0 x 0.42 x 1219mm	Loop	\$7.50
No. 00086	.750 x .0165 x 64"	19.0 x 0.42 x 1625mm	Loop	\$7.00
No. 18790	.750 x .0165 x 96"	19.0 x 0.42 x 2438mm	Loop	\$9.00
No. 32927	Same As Above	- German Made	Loop	\$13.50
No. 15959	.750 x .0165 x 120"	19.0 x 0.42 x 3048mm	Loop	\$12.00
No. 16882	.750 x .017 x 120"	19.0 x 0.43 x 3048mm	Loop	\$18.00
No. 14320	.750 x .0175 x 96"	19.0 x 0.44 x 2438mm	Loop	\$9.50
No. 32928	Same As Above	- German Made	Loop	\$13.50
No. 33462	.750 x .018 x 84"	19.0 x 0.46 x 2137mm	Loop	\$9.50
No. 29936	.750 x .018 x 96"	19.0 x 0.46 x 2438mm	Loop	\$10.00
No. 33530	.750 x .018 x 120"	19.0 x 0.46 x 3048mm	Loop	\$17.00
No. 32547	.750 x .020 x 96"	19.0 x 0.51 x 2438mm	Loop	\$18.00
No. 33463	.813 x .011 x 80"	20.7 x 0.28 x 2032mm	Loop	\$15.00
No. 33464	.813 x .013 x 48"	20.7 x 0.33 x 1219mm	Loop	\$15.00
No. 16885	.874 x .018 x 96"	22.2 x 0.46 x 2438mm	Loop	\$23.50

Mainspring Barrel Arbors



Sleeves Only:

For Hermle movements.

No. 19278 9.0mm diameter x 31.8mm long. For spring barrels #41, #54 and #55.

No. 19281 9.0mm diameter x 31.8mm long. For spring barrels #10, #11, #40, #50, #56 and #58.

Arbor & Sleeve Combinations:

No. 19279 7.0mm diameter x 31.8mm long. Used on #31, #32 and #33 barrels for W0130 and W0132 movements.

No. 19280 7.0mm diameter x 37.5mm long. Used on #31, #32 and #33 barrels for W0131 movement.

\$5.00 each

Arbor & Ratchet Wheel Combinations:

No. 15955 5.5mm diameter x 53.8mm long. Used on #10, #11, #40, #41, #54 and #56 with short hand shafts.

No. 15956 5.5mm diameter x 58.6mm long. Used on #10, #11, #40, #41, #54 and #56 with long hand shafts.

\$5.50 each

Urgos Barrel Arbors-Closeout



Nickel plated arbors for Urgos movements. Diameter x square x length shown. **Was \$8.00.**

No. 01425 UW6 3.5 x 3.7 x 55.2mm

No. 01426 UW6 3.5 x 3.7 x 64.2mm

No. 01427 UW6 4.0 x 4.5 x 69.0mm

No. 01428 UW6 5.5 x 3.7 x 64.2mm

No. 01429 UW16 3.0 x 3.0 x 36.6mm

No. 01430 UW16 3.0 x 3.0 x 41.5mm

No. 01431 .. UW20/7 3.0 x 3.0 x 46.5mm

No. 00634 N/A 5.0 x 3.7 x 77.7mm

\$4.00 each

Urgos UW21 Mainspring Urgos UW6 Mainspring Barrel Core-Closeout



9.0mm diameter x 32.9mm long. Nickel plated. **Was \$8.00.**

No. 01419 Chime **\$4.00 each**

No. 01420 Time and Strike **\$4.00 each**

Barrel Arbor/Core-Closeout



Mainspring Barrel Arbor/Core Combos
Nickel plated Urgos arbor/core combinations. **Was \$8.00. While supplies last.**

No. 01421 UW21 10.0mm Diameter x 4.5mm square x 66.9mm long **\$4.00**

No. 01422 UW22 8.0mm Diameter x 3.0mm square x 34.7mm long **\$4.00**

No. 01423 Unknown 7.0mm Diameter x 3.15mm square x 30.9mm long **\$4.00**

No. 01424 Unknown 9.0mm Diameter x 3.9mm square x 38.0mm long **\$4.00**

Clock Parts: Movements-Electric

Electric Movements



2-1/8" x 2-1/8" x 5/8" deep. Rear set. 6' power cord. 5/16" shaft diameter. Stepping sweep second hand not included. Uses standard "I" shaft hands on **page #56**. Max dial thickness and hand shaft length shown.

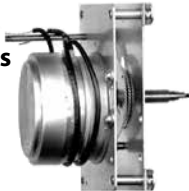
	Thickness	Length
No. 20529.....	1/8"	17/32"
No. 13262.....	1/4"	5/8"
No. 23550.....	1/2"	7/8"
No. 23549.....	3/4"	1-1/4"
\$15.50 each		\$45.75/ 3 (\$15.25)

Lanshire Back Plate-Closeout



3-11/16" metal back plate. **Was \$2.00.**
No. 00099 **\$1.00 each**

Synchron Type C Electric Movements



110 Volts
60 Cycle

2-1/4" wide x 3-1/4" tall x 2" deep. Hands not included. Tab mount, not center mount. See **Page #51** for hands.

	Handshaft Length
No. 20067..... Bottom Set	3/4"
No. 20068..... Bottom Set	7/8"
No. 20069..... Bottom Set	1"
No. 20070..... Bottom Set	1-3/8"
\$49.00 each \$145.50/ 3 (\$48.50)	
No. 20063..... Rear Set	3/4"
No. 20064..... Rear Set	7/8"
No. 20065..... Rear Set	1"
No. 20066..... Rear Set	1-3/8"
No. 33967..... Rear Set	2"
\$47.00 each \$139.50/ 3 (\$46.50)	

Synchron Motor



Hansen A-43RA is 1 RPM, 60 cycle. Includes a 10 tooth pinion. 2" diameter, 1-3/8" deep. 4 tabs. Not a center mount.

No. 18404 **\$34.00 each**

Synchron/Hansen Minute Hand Nuts



No. 32982 .. Small Nut for #20063, #20064, #20067 and #20068 **\$1.00 each**

No. 32983 .. Large Nut for #20065, #20066, #20069 and #20070 **\$1.25 each**

Synchron/Hansen Rear Setting Knob



Threaded brass knob used on all rear set Hansen Type C Synchron electric movements.

No. 32984 **\$2.00 each**

"S" Type Rotor



New stock. While supplies last!! M3633: 60 cycles x 3.6RPM. Replaces: M3520, M3518, M3481, M3479, M3476, M3404, M3394, M3378, M3333, M3331, M3313, M3296, M3162, M3156, M3154, M3141, M3083, M3072 and M2492.

No. 14521 **\$16.50 each \$48.75/ 3 (\$16.25)**

"B" Field, Coil, & Rotor Assembly

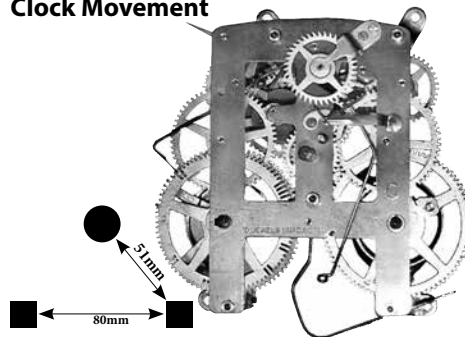


Replaces the field, coil and rotor assembly of many "B" type rotors. Easy to mount with existing layout. High torque. Non-reversible. 1 RPM. Runs slightly noisy and warm.

No. 20146 **\$40.00 each \$118.50/ 3**

Clock Parts: Movements-Mechanical

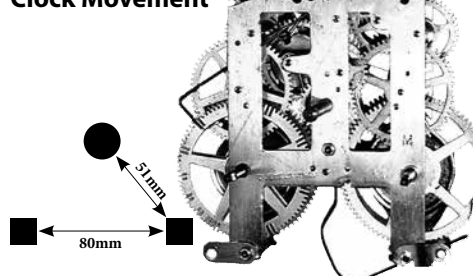
8-Day Kitchen Clock Movement



5-1/2" x 6" x 2-5/8" deep overall. 1" handshaft. 9-1/4" pendulum drop from center of handshaft to pendulum tip. Accessories not included. India.

No. 14442 **\$83.50 each**

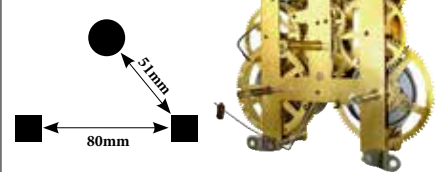
8-Day Mantel Clock Movement



5-1/2" x 6" x 3-3/4" deep including handshaft. Drop is approximately 4-1/2" from handshaft to pendulum tip. Front mount. Pendulum swings at the rear. 1-1/2" handshaft length. Accessories not included but available elsewhere in catalog. India.

No. 14535 **\$83.50 each**

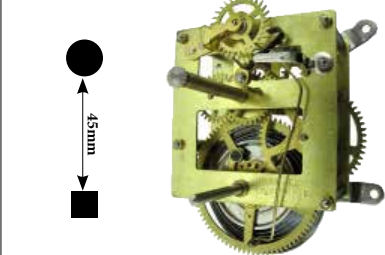
8-Day Mantel Clock Movement



8-day hour and half-hour strike. Back mounted pendulum. 4-1/2" from center of handshaft to tip. Includes a winding key, 1-1/2" diameter adjustable brass pendulum and hands to fit 5", 6-3/4" and 11" dials. India.

No. 29489 **\$83.50 each**

8-Day Time Only Movement



Commonly used in school clocks. 3-3/4" tall x 4-3/4" wide x 3-3/4" deep. 2" long handshaft. Heavy brass plates with oil sinks and lantern pinions. 13" drop measured from center of handshaft to pendulum tip. With hands for an 11" dial, key and suspension rod. India.

No. 30468 **\$62.00 each**

8-Day Time Only Movement



Used in school clocks, long drop regulators and store regulators. 3-3/4" x 4-3/4" x 3-3/4" deep. 2" handshaft, Heavy brass plates with oil sinks and lantern pinions. 18" drop from center of handshaft to pendulum tip. 1-3/4" from center shaft to winding arbor. Accessories not included but available in this catalog. India.

No. 14492 **\$72.50 each**

1-Day German Novelty Clock Movements



No. 15918



No. 15919

Used on most small novelty clocks. Includes key, pendulum and hands.

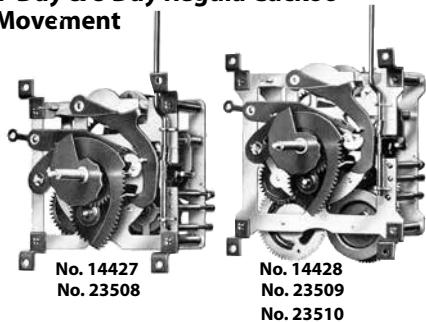
No. 15918 **\$17.50 each**

Includes key, hands, doll and spring.

No. 15919 **\$22.50 each**

Clock Parts: Movements-Mechanical

1-Day & 8 Day Regula Cuckoo Movement

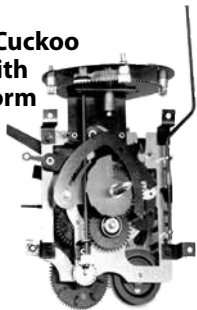


Regula 25 and 34 movements include chains, hooks, rings, hand nuts and bushings. Weights, pendulum, hands and bellows not included. Pendulum length measured from suspension post to center of pendulum leaf. Germany.

No. 14427 Regula 25 1-day 7-3/4" Drop
No. 23508 Regula 25 1-day 9-1/4" Drop
\$67.50 each \$201.00/3 (\$67.00)

No. 14428 Regula 34 8-day 7-3/4" Drop
No. 23509 Regula 34 8-day 9-1/4" Drop
No. 23510 Regula 34 8-day 11-1/4" Drop
\$106.00 each \$316.50/3 (\$105.50)

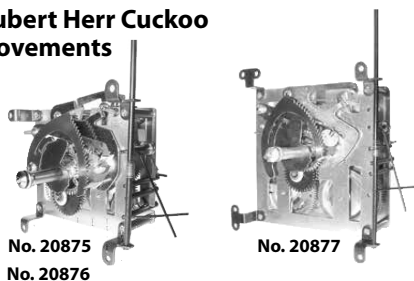
1-Day Regula Cuckoo Movements With Dancing Platform



Regula 25 time, strike and music movement with dancing platform, chains and handnuts. 3" wide x 3-1/2" tall. 7-3/4" drop measured from handshaft to top of platform. Does not include weights, pendulum, hands, dancing figures or bellows. Germany.

No. 18409 2-1/4" Tall **\$116.00 each**
No. 20071 3" Tall **\$116.00 each**

Hubert Herr Cuckoo Movements



Includes chains, hooks, rings, handnuts and hand bushings. Weights, pendulum, hands and bellows not included. Pendulum drop is measured from suspension post to pendulum tip. Germany.

1-Day Plate Size 62mm x 68mm
No. 20875 KW-60 9-7/8" Drop **\$110.00**
No. 20876 KW-60/1 11-7/16" Drop **\$110.00**
8-Day Plate Size 85mm x 90mm
No. 20877 .. KW-80 12-1/4" Drop **\$168.00**
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Fast/Slow Assembly



Used on mantel clocks. 2.0mm shaft.

No. 20428 **\$10.00 set**

Alarm Mechanism



Set includes alarm ring, actuator arm and alarm mechanism with hammer and mainspring.

No. 14523 Complete Set **\$22.00 set**
No. 14524 Center Alarm Ring **\$3.50 each**
No. 19899 Actuator Arm **\$3.50 each**

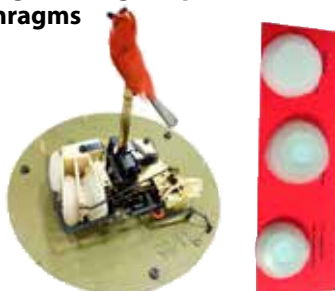
Calendar Conversions



Modification may be necessary to fit. View individual calendar conversion photos online.

No. 10899 Ansonia **\$12.00 each**
No. 19332 Sessions **\$12.00 each**
No. 10900 Seth Thomas **\$12.00 each**
No. 10470 Universal **\$12.00 each**
No. 19334 Waterbury **\$12.00 each**

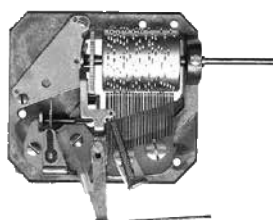
Singing Bird Cage Replacement Diaphragms



Set of 3 flexible silicone diaphragms fits many singing bird cages. Includes the 1st diaphragm with windpipe indent, end cap, and center diaphragm with washer. Instructions included. We recommend photos and notes be taken prior to and during disassembly to insure correct re-assembly.

No. 32418 **\$24.00 set**

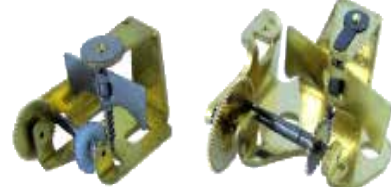
Cuckoo Music Movement



Swiss Made

Two-Tune (Edelweiss/Happy Wanderer)
No. 14433 ... 2 Tune 22 Tooth **\$65.00**

Music Movement Governors



No. 14496

No. 22667

No. 22668

No. 14495

No. 17685

Replace worn or damaged governors and keep the same tune in your clock. **Tooth count indicates the number of teeth on the comb.** These new style units may have mounting holes filed out to fit your movement.

No. 14496 18 Tooth **\$44.00**

Reuge Governors

	# Of Teeth On Comb	# Of Teeth On Pinion	
No. 22667	22, 28, 36	12	\$26.50
No. 14495	22	13	\$26.00
No. 22668	22, 28, 36	14	\$35.00
No. 17685	28, 36	9	\$25.50

Stopper Bracket For 18 Tooth Music Governor



Includes 1 bracket, screw and 1 washer. Required when installing **No. 14496** governor.

No. 32073 **\$8.00 set**

Music Movement Stopper, Bracket & Spring



Stopper, bracket and spring used on Reuge two tune 22-tooth music movements.

No. 29014 **\$8.00 set**

Music Box Winding Key



Brass T-Bar Style -3.5mm Thread

No. 19376 ... 5/16" (7.5mm) long **50¢ each**
No. 19377 3/8" (10mm) long **50¢ each**
No. 19378 1/2" (13mm) long **50¢ each**
No. 19379 .23/32" (18mm) long **50¢ each**



Brass Triangle Style -3.5mm Thread

No. 19380 . 1/2" (13mm) long **75¢ each**
No. 19381 . 1" (25.4mm) long **75¢ each**



Brass Key Extenders - 3.5mm Thread

No. 19388 ... 5/16" (7.5mm) long **\$1.75 each**
No. 19389 1/2" (13mm) long **\$1.75 each**
No. 19390 . 1-1/2" (38mm) long **\$1.75 each**

Clock Parts: Quartz Movement Hardware

Brass Hand Nuts

No. 23868



No. 23867



4.0mm thread. Fits most common mini quartz movement hand shafts. 10 pack.

No. 23868 Cap Nut **\$1.25 pack**

No. 23867 Open Nut **\$1.25 pack**

Brass Mounting Nuts

No. 23866



No. 23829



For 8.0mm (5/16") mounting shafts.

No. 23866 10 pack **\$1.25 pack**

No. 23829 Large Flange **75¢ each**

Fixation Nut Assortment 4-Pack



10mm (3/8") threads. Externally and internally threaded brass. Used to mount movements to cases on many imported quartz movements.

No. 33586 **\$4.00 pack**

Fixation Nut Assortment 12-Pack



9mm, 9.5mm and 10mm externally and internally threaded. Brass. Used to mount movements to cases on many imported quartz movements.

No. 33751 **\$9.50 pack**

Quartz Movement Mounting Hardware Assortment



Includes a rubber washer, brass washer, mounting nut, hand nut and cap nut. For 8.0mm (5/16") mounting shafts 4.0mm hand shafts. Enough for 5 movements.

No. 23830 **\$3.00 pack**

Washers For Mini Quartz Movements



Fits over the handshaft of mini movements. Use as spacers or for appearance.

No. 23861 .. Brass (10 pack) 9/16" OD x 5/16" ID **\$1.25**

No. 23862 Brass (10 pack) 5/8" OD x 7/16" ID **\$1.25**

No. 23863 . Rubber (10 pack) 5/8" OD x 5/16" ID **\$1.25**

No. 18965 Rubber (12 pack) 1" OD x 3/8" ID **\$2.00**

No. 23828 Rubber (12 pack) 2" OD x 3/8" ID **\$3.00**

Aluminum Mini Movement Hangers



NEW

Fits many mini quartz movements. 10-pack.

No. 23870 Small .700" wide **\$3.00 pack**

No. 33968 Large .840" wide **\$3.00 pack**

Movement Mounting Pad



Double sided adhesive pad used for mounting quartz movements. 1-7/8" square with center hole knock out.

No. 20325 **\$1.00 each** **85¢/6 (\$5.10)**

Mini Quartz Movement Cover-Closeout



Gold finished aluminum. 2-3/16" square x 1-5/8" deep. **Was \$2.00.**

No. 00354 **\$1.00 each**

Mini Quartz Movement Cover-Closeout



Waterproof plastic. 2-1/4" square inside dimension. Most standard mini quartz movements fit. **Was \$2.00.**

No. 33780 **\$1.00 each**

Mounting Boss



Use to center mini and snap-in quartz movements away from wall. Perfect for wall clocks made with just a clock dial. 4-3/4" W x 3-5/8" H x 1" D. Front plate is 1/8" thick.

No. 23674 **\$2.00 each**

Fit-Up Mounting Rings



Flexible rubber. Used as a compression spacer for fit-ups. Size shown is outside diameter.

No. 19665 1-3/4" **\$1.00 each**

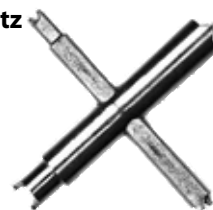
No. 29078 2-1/8" **\$1.00 each**

No. 20483 2-3/8" **\$1.25 each**

No. 33694 2-5/8" **\$1.25 each**

No. 33695 3-1/8" **\$1.25 each**

Nut Wrench-Quartz Movement



For quartz movement mounting nuts with 1/4", 5/16", 3/8" and 1/2" spans.

No. 19909 **\$9.00 each**

Clock Parts: Pendulum Drivers

Pendulum Case



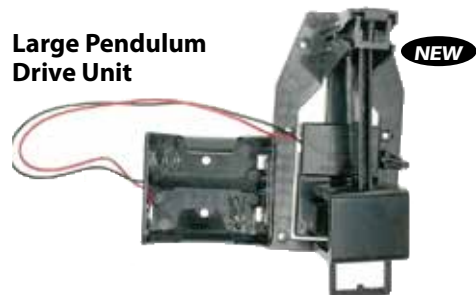
Pendulum
Not Included

Converts a mini quartz movement to a pendulum movement. 5-1/2" x 2-1/4" x 1-1/4" deep. **No. 23552** will pull up to 3.5 ounces. **No. 32468** will pull up to 8.8 ounces and is used for longer, heavier rod/bob combinations.

No. 23552 . 100 gram max **\$5.00 each**

No. 32468 .. 250 gram max **\$6.50 each**

Large Pendulum Drive Unit



NEW

Avoid expensive mechanical movements. This unit will move many wall clock pendulums. Max 350 grams (12 ozs.) and up to 39" long. Mounts inside case with 4 pre-drilled holes. 2-1/2" W x 5-1/2" L x 2" D. Detached battery compartment measures 2-3/8" x 2-1/8" x 1" D. Runs on 2-"C" batteries, not included.

No. 33779 **\$9.50 each** **\$27.75/3**

Clock Parts: Quartz Movement Tools

Quartz Movement Mounting Nut Wrenches



For 3/8" and 1/2" nuts.

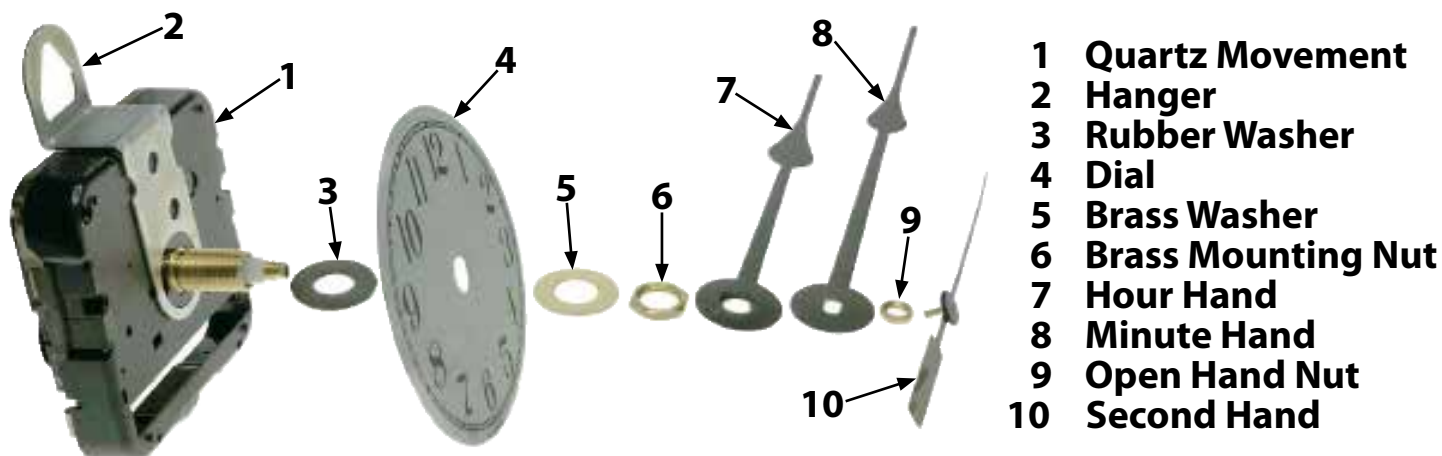
No. 15770 **\$2.50 each**



For Hermle mounting nuts.

No. 20867 **\$12.50 each**

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How To Choose A Quartz Movement

Different types of quartz movements available:

- **Mini size** movements are used on small desk and wall clocks and operate on one "AA" battery.
- **Standard size** movements are used on larger wall and small floor clocks that pull longer or heavier hands and operate on one "C" battery.
- **High torque** movements are used on small wall clocks that pull longer or heavier hands up to 17" long.
- **Stepping sweep** movements have a second hand that advances one second, stops, then advances and produces a faint ticking sound.
- **Continuous sweep** movements have a second hand that rotates around the dial without stopping. Also called a quiet movement.
- **Time only** movements
- **Pendulum** movements.
- **Chime** movements.

Movements Available With Special Functions:

- Alarm movements
- Backwards movements
- Calendar movements
- Carriage movements
- Chiming movements
- Radio controlled movements
- Rotating ball (anniversary clock) movements
- Thermometer movements
- Tide movements
- Trigger movements

Other Considerations:

- Most movements are available in several hand shaft lengths to fit through dials of various thicknesses.
- To choose the correct hand shaft length, measure the thickness of the dial and add a minimum of 1/8" (approximately 3mm) to that measurement.
- Pendulums are available in many styles, lengths and materials.
- Hands are available as **I-shaft** (most common) or **push-on** mounting in many styles, lengths and colors.

Important Installation Information

The large mounting nut should not be overtightened as this could cause the internal gearing to be damaged.

It's important the hour hand is pressed all the way down on the movement's hour hand shaft. After the minute hand is installed, set the hands to the 12 o'clock position then view the movement from the side to be certain the hour and minute hands are clear of each other. Then rotate the hand set knob on the back of the movement several times to be sure hand clearance is maintained through all the hours.



Hand Mounting Types



I-Shaft Hand Mounting



Push-On Hand Mounting

Specialty Movements

No Pendulum



A



B



C



D



E-F



G



H



I



J

Note: Movements use "I" shaft hands listed on page #56 except where otherwise indicated. Mounting hardware is furnished with each movement.

Part #	Movement Type & Features	Movement Size	Mfr.	Handshaft Length	Max. Dial Thickness	Battery Type (not included)	Price	Each	3's	6's	12's
NEW A No. 14576 No. 32463	Alarm Hour, minute, second & alarm push-on hands for 3" dial included. With beeping alarm. Stepping sweep.	2-3/16" x 2-3/16" x 5/8"	Asia	1/4" 1/2"	1/8" 3/8"	"AA"	\$6.00 \$5.75 \$5.50 \$5.25				
B No. 14530	Backwards Stepping sweep. "I" shaft hands not included. Rear set.	2-3/16" x 2-3/16" x 5/8"	Asia	9/16"	3/16"	"AA"	\$5.50 \$5.25 \$5.00 \$4.75				
C No. 29119	Calendar 31-day calendar movement requires calendar hand on page #57 not included. Stepping sweep. "I" shaft hands not included.	2-1/4" x 2-1/4" x 7/8"	Asia	7/8"	3/8"	"AA"	\$20.50 \$20.25 \$20.00 \$19.75				
NEW D No. 33884 No. 33885	Carriage Clock (Non-Alarm) One set of push-on hands 1" black, stick style and one set of 1-1/8" fancy style hands included. Stepping sweep.	1-9/16" x 5/16" 2" x 21/64"	Asia Asia	1/8" 9/64"	1/16" 3/32"	Cell Included	\$6.50 \$6.25 \$6.00 \$5.75 Combine for price break				
NEW E No. 33886 No. 33887	Mini Trigger Emits an electronic pulse on the hour to trigger a sound making device. 2-1/4" lead wires. For clocks with bird, train or other sounds on the hour. Continuous sweep. "I" shaft hands (not included).	2-3/16" x 2-3/16" x 5/8"	Asia	9/16" 7/8"	3/16" 1/2"	"AA"	\$6.50 \$6.25 \$6.00 \$5.75 Combine for price break				
NEW F No. 32153 No. 33888	Mini Trigger Emits an electronic pulse on the hour to trigger a sound making device. 2-1/4" lead wires. Uses "I" shaft hands (not included). For clocks with bird, train or other sounds on the hour. Stepping sweep. "I" shaft hands (not included).	2-3/16" x 2-3/16" x 5/8"	Asia	9/16" 7/8"	3/16" 1/2"	"AA"	\$6.00 \$5.75 \$5.50 \$5.25 Combine for price break				
G No. 14426	Mini 24-Hour For computer & radio rooms & military installations. No 2nd hand. Rear set. Stepping sweep. "I" shaft hands (not included).	2-1/4" x 2-1/4" x 5/8"	Asia	5/8"	1/4"	"AA"	\$5.00 \$4.75 \$4.50 \$4.25				
H No. 32220 No. 32221	Radio Controlled Synchronizes with Colorado signal 5 times daily. Daylight Savings Time bypass. Stepping sweep. "I" shaft hands (not included).	2-9/16" x 2-3/16" x 3/4"	Asia	7/16" 5/8"	1/8" 1/4"	"AA"	\$14.00 \$13.75 \$13.50 \$13.25 Combine for price break				
I No. 29825 No. 29826	Thermometer Uses standard "I" shaft minute hand (not included).	2" x 9/16"	Asia	1/2" 3/4"	3/16" 7/16"	N/A	\$4.25 \$4.00 \$3.75 \$3.50 Combine for price break				
J No. 29821 No. 29822	Tide Movement Rear set. Use an "I" shaft minute hand (not included).	2-3/16" x 2-3/16" x 5/8"	Asia	1/2" 19/32	1/8" 3/8"	N/A	\$5.50 \$5.25 \$5.00 \$4.75 Combine for price break				

Time Only Quartz Movements

No Pendulum



A



B



C



D



E



F



G



H

Note: All quartz movements use "I" shaft hands listed on **page #56** except where otherwise indicated. Mounting hardware is furnished with each movement.

	Part #	Movement Type & Features	Movement Size	Mfr.	Handshaft Max. Dial		Battery Type (not included)	Price			
					Length	Thickness		Each	3's	12's	50's
A	NEW No. 32465 No. 32558 No. 33870 No. 32466 No. 33699 No. 33782	Mini Hi-Torque Continuous sweep. "I" shaft hands (not included).	2-3/16" x 2-3/16" x 5/8"	Asia	1/2"	3/16"	"AA"	\$6.50 Combine for price break	\$6.25	\$6.00	\$5.75
					5/8"	1/4"					
					3/4"	3/8"					
					7/8"	7/16"					
					1-1/16"	5/8"					
					1-3/16"	3/4"					
B	NEW No. 32464 No. 32559 No. 33871 No. 20681 No. 33872 No. 33873	Mini Hi-Torque Stepping sweep. "I" shaft hands (not included).	2-1/8" x 2-1/8" x 5/8"	Asia	1/2"	3/16"	"AA"	\$5.00 Combine for price break	\$4.75	\$4.50	\$4.25
					5/8"	1/4"					
					13/16"	7/16"					
					7/8"	1/2"					
					1-1/16"	5/8"					
					1-3/16"	3/4"					
C	NEW No. 33546 No. 33547 No. 33548 No. 33549	Mini Hi-Torque Stepping sweep. "I" shaft hands (not included).	2-3/16" x 2-3/16" x 5/8"	Takane	5/8"	1/4"	"AA"	\$5.50 Combine for price break	\$5.25	\$5.00	\$4.75
					13/16"	3/8"					
					7/8"	5/8"					
					1-3/16"	3/4"					
D	No. 15736	Mini Hi-Torque Continuous sweep. "I" shaft hands (not included).	2-1/8" x 2-1/8" x 9/16"	Seiko	5/8"	1/4"	"AA"	\$9.50	\$9.25	\$9.00	\$8.75
E	No. 29340 No. 32740	Standard Size Hi-Torque Continuous sweep. "I" shaft hands (not included).	2-3/4 x 2-1/8" x 1"	Takane	5/8"	1/4"	"C"	\$14.00 Combine for price break	\$13.75	\$13.50	\$13.25
					7/8"	3/8"					
F	No. 14418 No. 23551 No. 14574 No. 14419	Standard Size Stepping sweep. "I" shaft hands (not included).	2-3/4" x 2-1/8" x 1"	Takane	5/8"	1/4"	"C"	\$7.00 Combine for price break	\$6.75	\$6.50	\$6.25
					3/4"	3/8"					
					15/16"	1/2"					
					1-3/16"	13/16"					
G	No. 20682 No. 32775	Standard Size Hi-Torque Stepping sweep. "I" shaft hands (not included).	2-3/4" x 2-3/16" x 11/16"	Takane	13/16"	3/8"	"C"	\$11.50 Combine for price break	\$11.25	\$11.00	\$10.75
					1-1/16"	5/8"					
H	NEW No. 33878 No. 33879 No. 33880 No. 33881	Standard Size Hi-Torque Stepping sweep. "I" shaft hands (not included).	2-3/4" x 2-3/16" x 11/16"	Asia	1/2"	1/8"	"C"	\$6.50 Combine for price break	\$6.25	\$6.00	\$5.75
					5/8"	1/4"					
					7/8"	3/8"					
					1-1/16"	3/4"					

Time Only Quartz Movements

No Pendulum



A



B



C



D



E



F



G

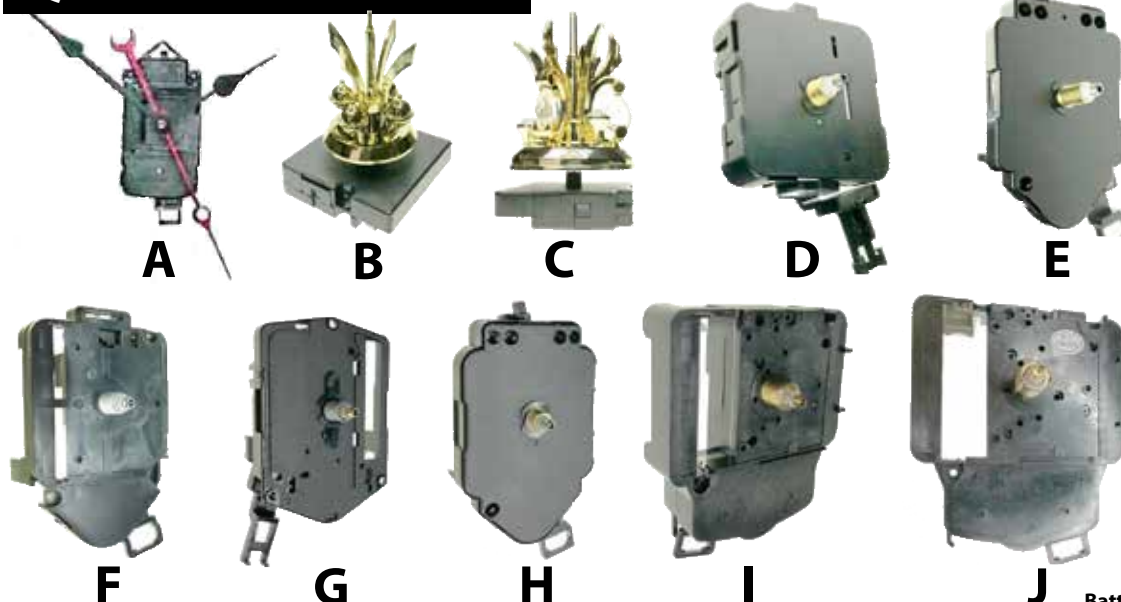


H

Note: All quartz movements use "I" shaft hands listed on **page #56** except where otherwise indicated. Mounting hardware is furnished with each movement.

Part #	Movement Type & Features	Movement Size	Mfr.	Handshaft	Max. Dial	Battery Type (not included)	Price			
				Length	Thickness		Each	3's	12's	50's
NEW										
A No. 33875	Mini			1/2"	1/8"					
No. 33876	Continuous sweep. Push-on	2-3/16" x 2-3/16" x 11/16"	Asia	5/8"	1/4"	"AA"	\$3.75	\$3.50	\$3.25	\$3.00
No. 33877	hands (not included).			13/16"	1/2"		Combine for price break			
NEW										
B No. 20534	Mini			1/2"	1/8"					
No. 20535	Stepping sweep. Push-on	2-3/16" x 2-3/16" x 11/16"	Asia	5/8"	1/4"	"AA"	\$3.50	\$3.25	\$3.00	\$2.75
No. 33785	hands (not included).			13/16"	1/2"		Combine for price break			
NEW										
C No. 22884	Mini Snap-In			3/8"	1/16"					
No. 22886	Stepping sweep. Push-on	2-3/16" x 2-3/16" x 5/8"	Asia	9/16"	3/16"	"AA"	\$3.50	\$3.25	\$3.00	\$2.75
No. 33783	hands (not included)			3/4"	3/8"		Combine for price break			
No. 33784				7/8"	1/2"					
NEW										
D No. 14573	Mini			1/2"	1/8"					
No. 29117	Continuous sweep. "I" Shaft	2-3/16" x 2-3/16" x 5/8"	Asia	5/8"	1/4"	"AA"	\$5.00	\$4.75	\$4.50	\$4.25
No. 29118	hands (not included).			3/4"	3/8"		Combine for price break			
No. 33080				13/16"	1/2"					
No. 33698				1-1/16"	5/8"					
No. 33781				1-3/16"	3/4"					
NEW										
E No. 33696	Mini			1/2"	3/16"					≠
No. 20880	Stepping sweep. "I" Shaft	2-3/16" x 2-3/16" x 5/8"	Asia	5/8"	1/4"	"AA"	\$3.00	\$2.75	\$2.50	\$2.25
No. 20881	hands (not included).			3/4"	3/8"		Combine for price break			
No. 32462				13/16"	1/2"					
No. 33697				1-1/16"	5/8"					
No. 14579				1-3/16"	3/4"					
NEW										
F No. 17681	Mini Seiko			7/16"	1/8"					
No. 14400	Stepping sweep. "I" shaft	2-3/16" x 2-3/16" x 9/16"	Seiko	5/8"	1/4"	"AA"	\$5.75	\$5.50	\$5.25	\$5.00
No. 14402	hands (not included).			13/16"	3/8"		Combine for price break			
No. 14401				1-1/16"	5/8"					
NEW										
G No. 32386	Mini			1/2"	3/16"					
No. 32387	Stepping sweep. Special Gearing	2-3/16" x 2-3/16" x 5/8"	Asia	3/4"	3/8"	"AA"	\$4.00	\$3.75	\$3.50	\$3.25
No. 32388	for longer hands. Built-in hanger. "I" shaft hands (not included).			1-1/16"	5/8"		Combine for price break			
NEW										
H No. 23904	Mini			3/4"	5/16"	"AA"	\$3.25	\$3.00	\$2.75	\$2.50
No. 23905	Stepping sweep. "I" shaft hands (not included). See-through case.	2-3/16" x 2-3/16" x 5/8"	Asia	15/16"	9/16"		Combine for price break			

Quartz Pendulum Movements

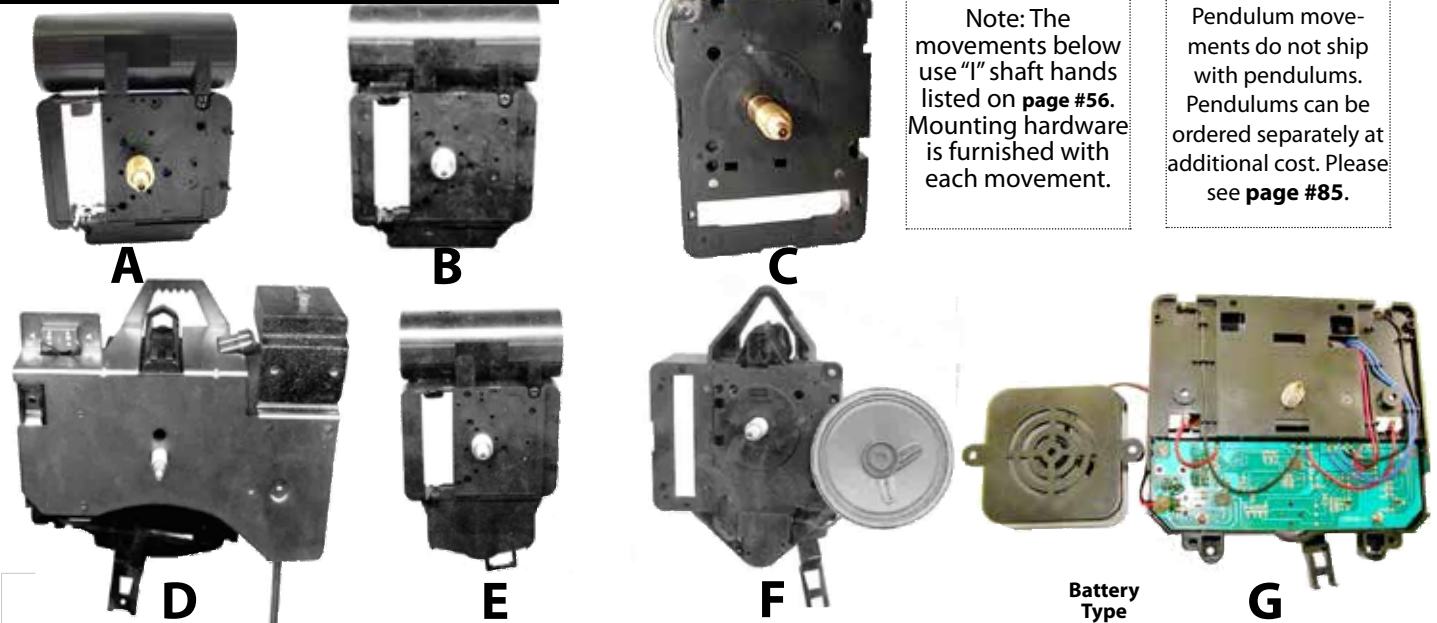


Pendulum movements do not ship with pendulums. Pendulums can be ordered separately at additional cost. Please see **page #85**.

Note: All quartz movements use "I" shaft hands listed on **page #56** except where otherwise indicated. Mounting hardware is furnished with each movement.

Part #	Movement Type & Features	Movement Size	Mfr.	Handshaft Max. Dial		Battery Type (not included)	Price			
				Length	Thickness		Each	3's	6's	12's
A No. 29016	31-Day Calendar Stepping sweep. Quartz movement has provision for a calendar hand. See page #57 for hour and minute hands.	4-1/4" x 2-1/4" x 1-3/16"	Asia	27/32"	3/8"	"AA"	\$24.50	\$24.25	\$24.00	\$23.75
B No. 14528	400-Day Oscillating movement rotates a 2-3/4" tall gold plastic ball pendulum (No. 33882), included. Not for timekeeping. To order pendulum only see page #86 .	2-1/4" x 2-1/8" x 5/8"	Asia	—	—	"AA"	\$6.00	\$5.75	\$5.50	\$5.25
NEW C No. 33786	400-Day Oscillating movement rotates a 2-3/4" tall fancy crystal pendulum (No. 33787), included. Not for timekeeping. To order pendulum only see page #86 .	2-1/4" x 2-1/8" x 5/8"	Asia	—	—	"AA"	\$9.00	\$8.75	\$8.50	\$8.25
NEW D No. 33771 No. 33772 No. 33773	Super Mini Stepping sweep. "I" shaft hands (not included).	2-3/16" x 2-3/16" x 5/8"	Asia	1/2" 11/16" 7/8"	1/8" 1/4" 3/8"	"AA"	\$5.25	\$5.00	\$4.75	\$4.50
Combine for price break										
NEW E No. 33775 No. 33776 No. 33777 No. 33778	Mini Continuous sweep. "I" shaft hands (not included).	3-7/16" x 2-1/4" x 27/32"	Asia	1/2" 5/8" 7/8" 1-1/8"	3/16" 5/16" 7/16" 13/16"	"AA"	\$6.00	\$5.75	\$5.50	\$5.25
Combine for price break										
NEW F No. 23529 No. 23530 No. 33868 No. 14564	Mini Stepping sweep. "I" shaft hands (not included).	3-3/8" x 2-3/16" x 5/8"	Takane	5/8" 3/4" 1" 1-3/16"	1/4" 3/8" 1/2" 3/4"	"AA"	\$6.50	\$6.25	\$6.00	\$5.75
Combine for price break										
G No. 14555 No. 14556	Mini Stepping sweep. "I" shaft hands (not included).	3-3/16" x 2-3/16" x 15/16"	Seiko	5/8" 1"	1/4" 5/8"	"AA"	\$12.50	\$12.25	\$12.00	\$11.75
Combine for price break										
NEW H No. 32467 No. 33700 No. 20167 No. 33774 No. 32225	Mini Stepping sweep. "I" shaft hands (not included).	4-3/4" x 2-1/4" x 7/8"	Asia	1/2" 5/8" 3/4" 7/8" 1-1/8"	3/16" 3/8" 5/8" 7/16" 13/16"	"C"	\$6.50	\$6.25	\$6.00	\$5.75
Combine for price break										
I No. 19431 No. 19432	Standard Stepping sweep. "I" shaft hands (not included).	3-7/16" x 3" x 1-1/8"	Takane	5/8" 13/16"	1/4" 7/16"	"C"	\$17.00	\$16.75	\$16.50	\$16.25
Combine for price break										
J No. 22737	Standard High Torque Stepping sweep. "I" shaft hands (not included).	3-1/2" x 3" x 1"	Takane	7/8"	3/8"	"C"	\$24.00	\$23.75	\$23.50	\$23.25

Chiming Quartz Movements



Note: The movements below use "I" shaft hands listed on **page #56**. Mounting hardware is furnished with each movement.

Pendulum movements do not ship with pendulums. Pendulums can be ordered separately at additional cost. Please see **page #85**.

Part #	Movement Type & Features	Movement Size	Mfr.	Handshaft Length	Max. Dial Thickness	Battery Type (not included)	Price Each	3's	6's	12's
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Chiming Quartz Movements

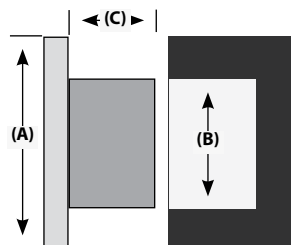
No Pendulum

A	No. 19374	6 Melody	3" x 3-7/8" x 1-3/16"	Asia	11/16"	3/8"	"C"	\$27.50	27.25	\$27.00	\$26.75
		Stepping sweep. Ava Maria, Over The Rainbow, Try To Remember, Happy Birthday, Rudolph, Westminster. Only chimes on the hour.									
B	No. 19268 No. 19269	Westminster	3" x 3-7/8" x 1-3/16"	Asia	3/4"	3/8"	"C"	\$23.00	\$22.75	\$22.50	\$22.00
		Stepping sweep. With hands for a 7" dial and no second hand. 6" long speaker wires. Only chimes on the hour.									
C	No. 14582 No. 14584	Westminster & Whittington	2-3/8" x 3-3/4" x 1-3/8"	Seiko	5/8"	1/4"	"C"	\$29.50	\$29.25	\$29.00	\$28.75
		Stepping sweep. 2-3/16" dia. detachable speaker, 10-1/2" wires. Night shut-off & volume control. Only chimes the hour.									

Chiming Quartz Movements

With Pendulum Feature

D	No. 18400	Bim-Bam Chime On Rods	6-1/2" x 6-3/4" x 2"	Asia	7/8"	7/16"	"D"	\$90.00	\$89.50	\$89.00	\$88.50
Does not accommodate a second hand.											
E	No. 19784 No. 19270 No. 19271 No. 33867	Westminster Chimes	2-1/4" x 4-3/8" x 1"	Takane	5/8"	1/4"	"C"	\$26.50	\$26.25	\$26.00	\$25.75
		Stepping sweep. Chimes the 1/4" and strikes the hour.									
F	No. 14580 No. 14581	Westminster & Whittington Chimes	3-1/4" x 4-1/2" x 1-5/16"	Seiko	5/8"	1/4"	"C"	\$32.50	\$32.25	\$32.00	\$31.75
		Stepping sweep. Chimes the 1/4's and strikes the hour.									
G	No. 29615 No. 30407 No. 30408	Westminster, Ave Maria & Bim Bam	4-5/8" x 4-3/8" x 1-1/4"	Asia	11/16"	1/4"	2-"C"	\$61.50	\$61.00	\$60.50	\$60.00
		Stepping sweep. Best sound of any movement on the market. Automatic chime silencer, volume control, night shutoff, 20" speaker wire. Use with or without pendulum. Only Westminster chimes on the 1/4's. Ave Maria chimes on the hour. Bim Bam strikes on the hour.									



Quartz Fit-Up Movements



Style #1
Plain Bezel
Arabic Dial



Style #2
Plain Bezel
Roman Dial



Style #4
Brass Bezel
Gold Center
Arabic Dial

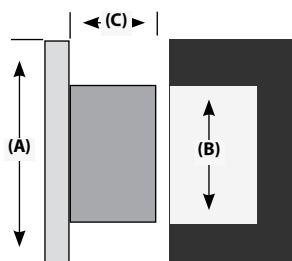


Style #5
Brass Bezel
Gold Center
Roman Dial

Order any 3 and
deduct 25¢ each.
Order any 12 and
deduct 50¢ each.

Part #	Bezel Diameter	Min. Hole Diameter	Depth Below Bezel	Bezel Color	Dial Color	Numerals	Style	Type Of Battery Required	Battery Included	Price Each
Brass Bezels With Glass Lens										
No. 33943	25mm (1")	15/16"	3/16" <small>NEW</small>	Brass	White	Arabic	1	Watch	Yes	\$7.50
No. 33944	25mm (1")	15/16"	3/16" <small>NEW</small>	Brass	White	Roman	2	Watch	Yes	\$7.50
No. 33869	30mm (1-3/16")	1-1/32"	3/16" <small>NEW</small>	Brass	White	Arabic	1	Watch	Yes	\$7.75
No. 33942	30mm (1-3/16")	1-1/32"	3/16" <small>NEW</small>	Brass	White	Roman	2	Watch	Yes	\$7.75
No. 32904	37mm (1-7/16")	1-3/8"	7/32"	Brass	White	Arabic	1	Watch	Yes	\$8.00
No. 32905	37mm (1-7/16")	1-3/8"	7/32"	Brass	White	Roman	2	Watch	Yes	\$8.00
No. 20442	37mm (1-7/16")	1-3/8"	5/16"	Brass	Ivory	Arabic	1	Watch	Yes	\$10.00
No. 20448	37mm (1-7/16")	1-3/8"	5/16"	Brass	Ivory	Roman	5	Watch	Yes	\$10.00
No. 20450	37mm (1-7/16")	1-3/8"	5/16"	Pewter	White	Roman	2	Watch	Yes	\$10.00
No. 33945	40mm (1-9/16")	1-1/2"	7/32" <small>NEW</small>	Brass	White	Arabic	1	Watch	Yes	\$8.75
No. 33946	40mm (1-9/16")	1-1/2"	7-32" <small>NEW</small>	Brass	White	Roman	2	Watch	Yes	\$8.75
No. 19859	50mm (2")	1-13/16"	9/32"	Brass	White	Arabic	1	Watch	Yes	\$9.00
No. 19858	50mm (2")	1-13/16"	9/32"	Brass	White	Roman	2	Watch	Yes	\$9.00
No. 33947	55mm (2-5/32")	1-27/32"	1/4" <small>NEW</small>	Brass	White	Arabic	1	Watch	Yes	\$9.50
No. 33948	55mm (2-5/32")	1-27/32"	1/4" <small>NEW</small>	Brass	White	Roman	2	Watch	Yes	\$9.50
Plastic Bezels With Plastic Lens										
No. 23698	60mm (2-3/8")	2-1/8"	5/8"	Gold	White	Arabic	1	"N"	No	\$9.00
No. 23699	60mm (2-3/8")	2-1/8"	5/8"	Gold	White	Roman	2	"N"	No	\$9.00
No. 23700	60mm (2-3/8")	2-1/8"	5/8"	Gold	Fancy	Arabic	4	"N"	No	\$9.00
No. 32923	63mm (2-1/2")	2-1/4"	5/8"	Gold	White	Arabic	1	"N"	No	\$10.50
No. 32230	63mm (2-1/2")	2-1/4"	5/8"	Gold	White	Roman	2	"N"	No	\$10.50
No. 33980	65mm (2-9/16")	2-1/8"	9/16" <small>NEW</small>	Gold	White	Arabic	1	"AAA"	No	\$6.50
No. 33981	65mm (2-9/16")	2-1/8"	9/16" <small>NEW</small>	Gold	White	Roman	2	"AAA"	No	\$6.50
No. 33951	70mm (2-3/4")	2-1/4"	11/16" <small>NEW</small>	Gold	White	Arabic	1	"AAA"	No	\$7.00
No. 33950	70mm (2-3/4")	2-1/4"	11/16" <small>NEW</small>	Gold	White	Roman	2	"AAA"	No	\$7.00
No. 33949	70mm (2-3/4")	2-1/4"	11/16" <small>NEW</small>	Gold	Fancy	Arabic	4	"AAA"	No	\$7.00
No. 34004	70mm (2-3/4")	2-1/4"	11/16" <small>NEW</small>	Gold	Fancy	Roman	5	"AAA"	No	\$7.00
No. 23703	73mm (2-7/8")	2-3/8"	11/16"	Gold	White	Arabic	1	"AAA"	No	\$9.00
No. 20206	73mm (2-7/8")	2-3/8"	11/16"	Gold	White	Roman	2	"AAA"	No	\$9.00
No. 23701	73mm (2-7/8")	2-3/8"	11/16"	Gold	Ivory	Arabic	1	"AAA"	No	\$9.00
No. 23702	73mm (2-7/8")	2-3/8"	11/16"	Gold	Ivory	Roman	2	"AAA"	No	\$9.00
No. 20460	73mm (2-7/8")	2-3/8"	11/16"	Gold	Fancy	Arabic	4	"AAA"	No	\$9.00

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Clearance Items At Closeout Prices.**



Quartz Fit-Up Movements



Style #1
Plain Bezel
Arabic Dial



Style #2
Plain Bezel
Roman Dial















Style #4
Brass Bezel
Gold Center
Arabic Dial



Style #5
Brass Bezel
Gold Center
Roman Dial

Order any 3 and
deduct 25¢ each.
Order any 12 and
deduct 50¢ each.

Part #	Bezel Diameter	Min. Hole Diameter	Depth Below Bezel	Bezel Color	Dial Color	Numerals	Style	Type Of Battery Required	Battery Included	Price Each
Plastic Bezels With Plastic Lens										
No. 33959	78mm (3-1/16")	2-13/16"	1-1/4" 	Gold	White	Arabic Alarm	1	"AA"	No	\$8.75
No. 34015	78mm (3-1/16")	2-13/16"	1-1/4" 	Gold	White	Roman Alarm	2	"AA"	No	\$8.75
No. 33953	80mm (3-5/32")	3"	1/2" 	Gold	White	Arabic	1	"AA"	No	\$8.00
No. 33952	80mm (3-5/32")	3"	1/2" 	Gold	White	Roman	2	"AA"	No	\$8.00
No. 33958	80mm (3-5/32")	2-15/16"	3/4" 	Gold	Fancy	Roman	5	"AA"	No	\$8.00
No. 30485	90mm (3-17/32")	3"	9/16"	Gold	White	Arabic	1	"AA"	No	\$9.00
No. 30486	90mm (3-17/32")	3"	9/16"	Gold	White	Roman	2	"AA"	No	\$9.00
No. 20468	90mm (3-17/32")	3"	9/16"	Gold	Fancy	Arabic	4	"AA"	No	\$9.00
No.	90mm (3-17/32")	3"	9/16" 	Gold	Fancy	Roman	5	"AA"	No	\$9.00
No. 20466	90mm (3-17/32")	3"	9/16"	Gold	Gold	Arabic	1	"AA"	No	\$9.00
No. 20467	90mm (3-17/32")	3"	9/16"	Gold	Gold	Roman	2	"AA"	No	\$9.00
No. 33955	102mm (4")	3-1/4"	15/16" 	Gold	White	Arabic	1	"AA"	No	\$16.00
No. 33956	102mm (4")	3-11/16"	29/32" 	Gold	White	Roman	2	"AA"	No	\$9.50
No. 33957	110mm (4-5/16")	3-1/2"	11/16" 	Gold	White	Arabic	1	"AA"	No	\$9.75
No. 34005	110mm (4-5/16")	3-1/2"	11/16" 	Gold	Fancy	Roman	5	"AA"	No.	\$9.75
No. 33960	132mm (5-3/16")	3-1/2"	11/16" 	Gold	White	Roman	2	"AA"	No	\$11.00
No. 33962	160mm (6-1/4")	5-5/8"	5/8" 	Gold	White	Roman	2	"AA"	No	\$12.00

Clock Parts: Pendulums-Bobs

Adjustable Brass Bobs



Brass face, lead back with wire and nut.

	Dia.	Weight	
No. 10227	1-1/2"	2.2 oz.	\$7.00
No. 10228	1-3/4"	2.4 oz.	\$7.25
No. 10229	2"	2.8 oz.	\$7.50
No. 10230	2-1/4"	3.2 oz.	\$8.00
Antique Style Bob			
No. 29387	2-3/16"	4.2 oz.	\$9.00

Adjustable Cast Bobs



No. 15850 No. 10236 No. 10237 No. 10238
Includes bob wire and nut.

	Dia.	Weight	
No. 15850	1-1/8"	2.2 oz.	\$5.50
No. 10236	1-1/4"	1.4 oz.	\$5.75
No. 10237	1-5/8"	2.4 oz.	\$6.25
No. 10238	1-3/4"	4.6 oz.	\$6.75

Adjustable Cast Mantel Bobs-New Haven



No. 23760



No. 23584

1-1/2" diameter. Brass rod 2" long. 2.6 ozs.

No. 23760 \$5.75 each

1-1/2" diameter. Steel rod 2-1/2" long. 2.5 ozs.

No. 23584 \$5.75 each

Ansonia Bob



Brass covered lead bob. 3-5/16" diameter with
a 5/8" rear slot. 9 oz.

No. 19568 \$20.50 each

Bobs-Brushed Brass Finish



Brass plated bobs for wood rods listed on
page #92. For Hermle and other movements.

3/4" Rear Slot

No. 29795 4-1/2" Dia 115mm \$14.50

No. 33072 5-1/8" Dia 130mm \$15.50

1" Rear Slot

No. 29796 5-1/2" Dia 140mm \$17.00

No. 33223 6-1/2" Dia. 165mm \$21.50

No. 33073 7-1/8" Dia 180mm \$24.00

No. 33074 8-5/8" Dia 220mm \$27.50

Bobs-Brushed Brass Finish- Economy



Brushed bobs for wood rods listed on page
#92. For Hermle and other movements.

3/4" Rear Slot

No. 33165 3-1/8" Dia 80mm \$3.00

No. 33166 4" Dia 100mm \$3.75

No. 33167 4-1/2" Dia 115mm \$4.00

No. 33168 5-1/2" Dia 140mm \$4.50

7/8" Rear Slot

No. 33170 8-5/8" Dia 220mm \$8.00

2" Rear Slot

No. 33169 7-1/8" Dia 180mm \$6.00

Clock Parts:

Balances, Escapements & Related

Pendulum Bobs-Polished Brass Finish



Brass plated bobs for wood rods listed on page #92. For Hermle and other movements.

3/4" Rear Slot

No. 20109 .. 3-1/8" Dia. 80mm	\$8.50
No. 20110 4" Dia. 100mm	\$12.50
No. 10267 4-1/2" Dia. 115mm	\$14.00
No. 29405 .. 5-1/8" Dia. 130mm	\$15.00

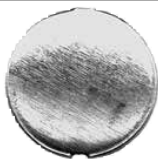
1" Rear Slot

No. 10272 5-1/2" Dia. 140mm	\$16.50
No. 19984 6-1/2" Dia. 165mm	\$20.50
No. 31033 7-1/8" Dia. 180mm	\$23.50
No. 32114 8-3/4" Dia. 220mm	\$26.50

Beautifully etched brass finished bob.

No. 29408 7-1/8" Dia. 180mm	\$25.50
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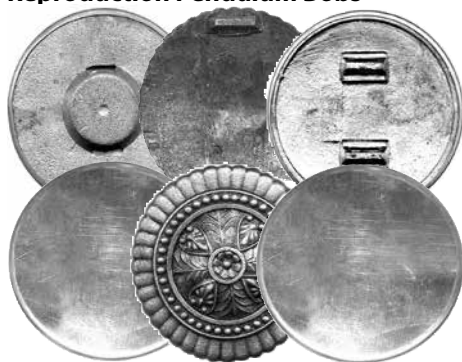
Lux & Keebler Bob



7/8" diameter.

No. 10273	\$2.00 each
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Reproduction Pendulum Bobs



No. 10297 22 Oz. **No. 10295** 13 Oz. **No. 10296** 15 Oz.

4-1/2" diameter with a 5/8" rear slot.

No. 10297 Ansonia Brass Covered	
No. 10295 . Gilbert Fancy Antique Finish	
No. 10296 Sessions Brass Covered	
	\$24.50 each

Mantel Clock Pendulum Bobs



No. 10218 Ingraham 1-1/2" x 2.2 Oz. **No. 10211** Ingraham 1-5/8" x 2.2 Oz. **No. 10214** Ingraham 1-1/2" x 2.2 Oz. **No. 10215** Gilbert 1-5/8" x 2.8 Oz.



No. 10210 Sessions 1-1/2" x 3.0 Oz. **No. 10212** Sessions 1-5/16" x 1.6 Oz. **No. 23581** Sessions 1-3/8" Dia. 3.0 oz



No. 29181 Sessions 2" Dia. 2.9 oz. **No. 23582** Sessions 1-5/8" 2.3 oz. **No. 32123** S. Thomas 1-1/2" Dia 2.5 oz.



No. 23583 Universal 1-1/2" Dia 2.6 oz. **No. 10216** Universal 1-1/2" Dia. 1.8oz **No. 10217** Waterbury 1-5/8" 2.2 oz. **\$4.00 each** **\$11.25/3 (\$3.75)**



No. 10219 S. Thomas 1-5/8" x 3.6 Oz. **No. 10290** S. Thomas 1-13/16" x 4.0 Oz. **No. 10213** Universal 1-3/4" Dia. 5.2 oz. **\$4.50** **\$12.75/3 (\$4.25)**

#2 Regulator Bob-Brass



For time, weight and battery clocks. 4-1/2" diameter, 2 lbs. 8 oz. 3/4" rear slot.

No. 10235	\$36.50 each
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Seth Thomas World Pendulum Bob



Brass covered lead bob. 3-3/4" diameter with a 1/2" rear slot. 1 lb. 9 oz.

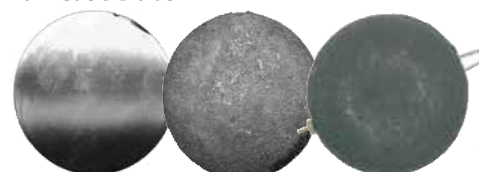
No. 23145	\$21.00 each
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Store Regulator Bob



Brass plated bob with 5/8" rear slot. **No. 10239** ... 4-1/2" Dia. 6.2 Oz. **\$17.50**

Tall Case Bobs



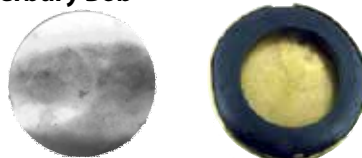
For tall case clocks.
Brass Covered 5/8" Slot
No. 18299 4-1/2" Dia. 2-1/2 lb. **\$34.00**
Cast Iron 3/8" Slot
No. 15690 4-1/2" Dia. 2-1/2 lb. **\$20.50**
Cast Iron
No. 19567 3-1/4" Dia. 1 lb. **\$14.00**

Waterbury Bob-Adjustable



Antique finish. 1-3/8" diameter, 2.4 oz. **No. 10291** **\$6.50 each**

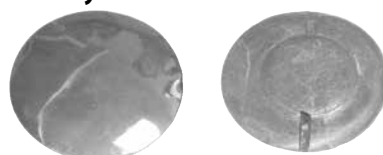
Waterbury Bob



Brass covered cast iron bob. 3-1/2" diameter with 1/2" rear slot. 8 oz.

No. 10500	\$21.00 each
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Willard Style Bob



Brass covered bob with tapered slot, 3/16" to 1/4". 3" diameter. 12-1/2 oz.

No. 23142	\$19.00 each
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Woodworks Bob



Cast lead bob. 3-1/16" diameter. With bob wire and adjusting nut. 15 oz.

No. 11202	\$17.00 each
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Ansonia Pendulums



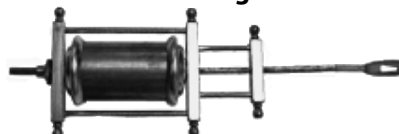
1-5/8" diameter bob. Brass covered.
No. 19369 3-1/2"
No. 19370 5-1/8"
No. 19371 8-1/2"
No. 19372 Offset for statue clocks 5-1/4"
\$14.50 each **\$42.00/ 3 (\$14.00)**

Barrel Pendulum-Double



Brass with a steel rod. 7-1/2" L x 2-1/4" W. **No. 10292** **\$24.00 each**

Barrel Pendulum-Single



Brass with a steel rod 6-3/8" long. **No. 10287** **\$17.50 each**

Pendulum Assemblies



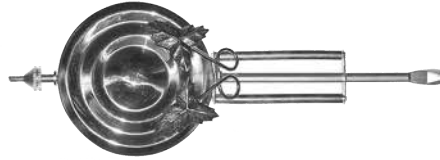
Includes an unfinished oval wood rod, top hook, rating assembly and brass covered bob. Length shown is measured from top hook to tip of rating assembly. Up to 48" wood rods are available.

Part #	Rod Length	Bob Dia.	Price
3/4" Oval Wood Rod			
No. 22773	7"	3-1/8"	\$12.00
No. 22774	7-1/2"	3-1/8"	\$12.25
No. 22775	8"	3-1/8"	\$12.50
No. 22776	8-3/4"	3-1/8"	\$12.75
No. 22777	9-1/2"	3-1/8"	\$13.00
No. 22778	10"	3-1/8"	\$13.25
No. 22779	10-1/2"	3-1/8"	\$13.50
No. 20148	11-1/2"	3-1/8"	\$13.75
No. 20149	12"	3-1/8"	\$14.00
No. 22780	14"	3-1/8"	\$14.50
No. 20150	17-1/4"	3-1/8"	\$15.50
No. 22781	24-1/2"	3-1/8"	\$16.50
No. 22782	27-1/2"	3-1/8"	\$17.00
No. 22783	7-1/2"	4"	\$15.50
No. 22784	8"	4"	\$15.75
No. 22785	8-3/4"	4"	\$16.00
No. 22786	9-1/2"	4"	\$16.25
No. 22787	10"	4"	\$16.50
No. 22788	11-1/2"	4"	\$16.75
No. 22789	12"	4"	\$17.00
No. 22790	12-3/4"	4"	\$17.25
No. 22791	15-1/4"	4"	\$17.50
No. 20151	17-1/4"	4"	\$18.00
No. 20152	21-3/8"	4"	\$19.00
No. 22792	24"	4"	\$19.50
No. 20153	24-1/2"	4"	\$19.75
No. 22793	27-1/2"	4"	\$20.25
No. 22794	32"	4"	\$20.50
No. 22795	7-1/2"	4-1/2"	\$15.50
No. 22796	8"	4-1/2"	\$15.75
No. 22797	8-3/4"	4-1/2"	\$16.00
No. 22798	9-1/2"	4-1/2"	\$16.25
No. 22799	10"	4-1/2"	\$16.50
No. 20154	11-1/2"	4-1/2"	\$16.75
No. 20155	12-3/4"	4-1/2"	\$17.25
No. 22800	14"	4-1/2"	\$17.50
No. 22801	16"	4-1/2"	\$17.75
No. 20156	17-1/4"	4-1/2"	\$18.00
No. 20157	21-3/8"	4-1/2"	\$19.00
No. 22802	22-3/4"	4-1/2"	\$19.25
No. 20216	24"	4-1/2"	\$19.50
No. 20217	27-1/2"	4-1/2"	\$20.25
No. 22803	30-3/4"	4-1/2"	\$20.50
No. 20218	32"	4-1/2"	\$20.75
No. 20219	32-3/4"	4-1/2"	\$21.00
No. 22804	34"	4-1/2"	\$21.25
No. 22805	38-1/2"	4-1/2"	\$22.50
No. 20220	39-1/2"	4-1/2"	\$23.00
No. 22806	40-1/2"	4-1/2"	\$23.50

1" Oval Wood Rod

No. 20221	14"	5-1/2"	\$19.50
No. 20222	21-3/8"	5-1/2"	\$20.50
No. 20223	27-1/2"	5-1/2"	\$21.50
No. 20224	33"	5-1/2"	\$22.50
No. 22767	33-1/2"	5-1/2"	\$23.00
No. 20225	40-1/2"	5-1/2"	\$25.00
No. 22768	42"	5-1/2"	\$26.50
No. 22769	28-1/4"	6-1/2"	\$31.00
No. 22770	33"	6-1/2"	\$32.00
No. 22771	37-1/2"	6-1/2"	\$33.00
No. 22772	41"	6-1/2"	\$34.00

Brass Leaf Pendulums



No. 22920 2-1/2" D x 6-3/4" L \$12.00

Cuckoo Pendulum-Chalet



1-1/2" wide, 2" tall, with a 7" wood rod.

No. 10298 Brown \$7.50 each

No. 19462 Unfinished \$7.50 each

2" wide, 3-1/2" tall, with 10" wood rod.

No. 20498 Brown \$9.75 each

Cuckoo Pendulum-Fancy



2-1/2" wide, 4" tall leaf size. 7" wood rod.

No. 16927 Brown \$9.00 each

No. 19463 Unfinished \$9.00 each

Cuckoo Pendulums-Maple Leaf



Hand carved wood. Maple leaf style. 7" rods.

2" Wide x 2-1/4" Tall Leaf Size

No. 10243 Small Brown

No. 10261 Small Blonde & Brown

No. 10264 Small Green & Brown

No. 19464 Unfinished

\$7.50 each \$21.75/ 3 (\$7.25)

2-1/2" Wide x 3" Tall Leaf Size

No. 10244 Medium Brown

No. 10262 Medium Blonde & Brown

No. 10265 Medium Green & Brown

No. 19465 Unfinished

\$8.00 each \$23.25/ 3 (\$7.75)

3" Wide x 3-3/4" Tall Leaf Size

No. 10245 Large Brown

No. 10263 Large Blonde & Brown

No. 10266 Large Green & Brown

No. 19466 Unfinished

\$8.50 each \$24.75/ 3 (\$8.25)

Cuckoo Pendulums-Oak Leaf



1-1/2" wide, 3" tall leaf size. 7" wood rod.

No. 16925 Brown \$8.00

No. 33374 Blonde & Brown \$8.00

No. 16926 Green & Brown \$8.00

No. 19467 Unfinished \$8.00

2" wide, 3-7/8" tall leaf size. 8-1/2" rod.

No. 29202 Brown \$9.00

No. 29203 Green & Brown \$9.00

No. 29204 Unfinished \$9.00

Universal French Pendulum



1-3/8" diameter brass bob x 9-1/4" long rod threaded on one end. With a French style hook. Adjust pendulum rod to desired length and solder the hook in place.

No. 32552 \$11.50 each

Sunburst French Pendulum Bob-Closeout



1-7/8" diameter cast bob with antique gold finish. Rod not included. Was \$9.00.

No. 00855 \$3.00 each

French Pendulums

No. 10222

No. 10221

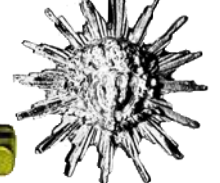
No. 10220

No. 10223

No. 10224



No. 12260



9" rod on #10222. 11-1/2" rod threaded on bob end only on #10220 and #10221. Solder top hook (sold separately) in place.

1-1/4" Dia. 2 oz. Brass Round

No. 10222 \$13.50 each

1-3/8" Dia. 2-1/2 oz. Brass Round

No. 10221 \$15.00 each

1-1/2" Dia. 3 oz. Brass Round

No. 10220 \$16.00 each

2-1/8" Dia. 3 Oz. Antique Finish Sunburst

No. 10223 \$12.00 each

3" Dia. 4 Oz. Antique Finish Sunburst

No. 10224 \$13.00 each

Brass Top Hook-#3-48

No. 12260(For Above)..... \$2.00 each

French Pendulum Hooks-Brass



No. 12260



No. 23493



No. 19797

Mini hook. M2 thread.

No. 19797 \$2.00 each

Medium size hook. #3-48 thread.

No. 12260 \$2.00 each

Large size hook. #4-40 thread.

No. 23493 \$2.50 each

6 Piece Pendulum Hook Assortment

2 pieces each of 3 different hooks above.

No. 32401 \$12.00 pack

Fusee Pendulums



Brass rod and nut with double-sided brass lead filled bobs and suspension.

	Length of Rod	Bob Diameter	
No. 23139	5-7/8"	2-1/2"	\$33.50
No. 23599	8-1/2"	3"	\$36.00
No. 23140	10-1/2"	3"	\$38.00
No. 23600	12-1/2"	3"	\$38.50

Clock Parts: Pendulums-Bobs

Grivolos Adjustable 400 Day Anniversary Disc Pendulum



Polished solid brass. Fully adjustable internal timing weights. Used on Claude Grivolos French 400-day clocks. 2-1/2" tall x 3-1/4" diameter. 12.2 ounces.

No. 23695 \$77.50 each

Rotating Ball Pendulum For Rotary Movement



NEW

Movement Not Included

Gold plastic pendulum. Measures 2-1/4" tall x 1-1/2" diameter and mounts on the movement base center pin. Use on movement **No. 33786** and **No. 14528** or on your movement. Asia.

No. 33882 \$2.25/each \$6.00/3 (\$2.00)

Rotating Crystal Pendulum For Rotary Movement



NEW

Movement Not Included

Gold plastic pendulum with crystals. Measures 3-1/8" tall x 2-3/8" diameter and mounts on the movement base center pin. Use on movement **No. 33786** and **No. 14528** or on your movement. Asia.

No. 33787 \$5.50 each

Ignatz Ball & Cord

Clock
Not
Included



No. 11718 \$3.00 each

Universal Pendulum Assemblies **NEW**



Brass split hook end rods with brass bobs and nuts. For Hermle and other movements.

	Bob Diameter	Rod Length	
No. 19810	1-1/2"	2-1/8"	\$18.50
No. 10254	1-11/16"	2-3/4"	\$22.00
No. 34135	1-11/16"	3-1/16"	\$23.00
No. 20118	1-11/16"	3-1/2"	\$24.00
No. 20119	1-11/16"	4-1/2"	\$26.00
No. 33384	2-3/16"	6-1/4"	\$23.50

Universal Pendulum Assemblies



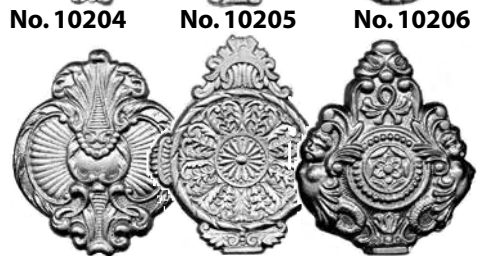
Brass or nickel finish. Single hook end rod with nut.

	Bob Diameter	Rod Length	
No. 12339 . Brass	1-1/2" x 2-1/2"		\$18.50
No. 13117 . Nickel	1-1/2" x 2-1/2"		\$18.50
No. 33075 Brass	1-11/16" x 2-7/8"		\$22.00
No. 19812 Brass	1-11/16" x 3-1/16"		\$23.00
No. 33076 Brass	1-11/16" x 3-5/8"		\$24.00
No. 33077 Brass	1-11/16" x 4-5/8"		\$26.00

Kitchen Clock Pendulums

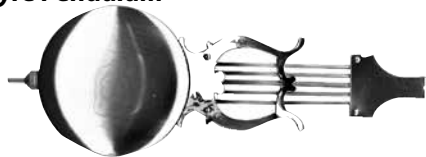


View of the pendulum with the included rod.



No. 10207 **No. 10208** **No. 10209**
Antique gold with 6-1/4" rod and brass nut.
\$8.75 each \$25.50/3 (\$8.50)

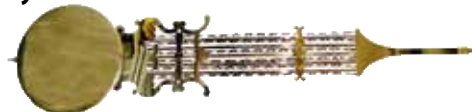
Lyre Pendulum



Brass plated lyre pendulums.

	Length	Bob Dia.	
No. 22709	10-1/2"	3-1/8"	\$18.50
No. 22710	16-3/4"	5-1/4"	\$22.00
No. 22711	20"	3-7/8"	\$26.00

Lyre Pendulums



For Hermle and other movements. Polished brass finish lyres, bobs and rods. #31002, #31003 and #31007 have straight rods. All others have twisted decorative rods. Shipped in reinforced box for safe delivery.

For 94cm Movements

	Bob Dia. mm	Bob Dia. Inches	Rod Length Inches	Shipping Weight	
No. 31007	140	5-1/2"	30"	5 Lbs.	\$47.50
No. 31002	165	6-1/2"	33"	4 Lbs.	\$59.50
No. 31004	220	8-5/8"	36"	5 Lbs.	\$86.00
No. 31005	270	10-5/8"	35-5/8"	6 Lbs.	\$98.50

For 114cm Movements

	Bob Dia. mm	Bob Dia. Inches	Rod Length Inches	Shipping Weight	
No. 31003	165	6-1/2"	41"	4 Lbs.	\$59.50
No. 31001	220	8-5/8"	43"	5 Lbs.	\$86.00
No. 31006	270	10-5/8"	43"	7 Lbs.	\$98.50

Lyre Pendulum Components

Brass finished aluminum. Fits many lyre pendulums. Typical photos are shown. Please check our web site for the exact photo based on the part number.

Lyre Cross Bridge

NEW



No. 33987	35mm wide x 9mm tall	\$1.25
No. 33988	52mm wide x 12mm tall	\$1.50
No. 33989	65mm wide x 15mm tall	\$1.50
No. 33990	100mm wide x 32mm tall	\$1.50

Lyre Neck

NEW



No. 33998	43mm wide x 67mm tall	\$3.00
No. 33999	44mm wide x 56mm tall	\$3.00
No. 34000	45mm wide x 51mm tall	\$3.00
No. 34001	45mm wide x 148mm tall	\$3.25
No. 33985	63mm wide x 224mm tall	\$3.50
No. 34002	63mm wide x 232mm tall	\$3.50
No. 33986	100mm wide x 225mm tall	\$3.75
No. 34003	100mm wide x 243mm tall	\$4.00

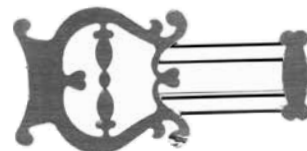
Scrolled Lyre Plate

NEW



No. 33991	51mm wide x 67mm tall	\$2.75
No. 33992	66mm wide x 76mm tall	\$3.00
No. 33993	86mm wide x 101mm tall	\$3.25
No. 33994	100mm wide x 105mm tall	\$3.50
No. 33995	116mm wide x 137mm tall	\$4.00
No. 33996	155mm wide x 185mm tall	\$4.50

Lyre Pendulum Attachments



Brass finish lyre attaches to our battery pendulums. 5/16" pendulum slot. Stamped.

No. 19359 4-1/4" T x 2-1/8" W **\$2.00**

Pendulum Pouch



12" x 15" bubble protects bobs and shorter pendulum rods from damage when moving.

No. 23776 \$1.00 each

Pendulums-Simulated Mercury



Complete polished brass assembly. Used on American and European crystal regulators. 4-7/8" long x 1-5/8" wide x 2-3/4" tall frame.

No. 30496 \$42.00 each

Additional Components

No. 32109	8 x 46mm Glass Tube	\$4.00 each
No. 32110	5 x 25mm Metal Insert	\$4.50 each

Clock Parts: Pendulums-Bobs

Pendulums-Simulated Mercury



Complete polished brass assembly. Used on American and European crystal regulators. 6-3/4" long x 2-1/4" wide x 2-1/2" tall frame.

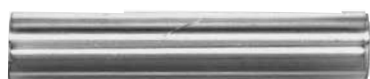
No. 10247 \$52.50 each

Additional Components

No. 32131 8 x 56.5mm Glass Tube \$4.00 each

No. 32132 5 x 30mm Metal Insert \$4.50 each

Replacement Glass Tubes



	OD	Length	
No. 20245	8.0mm	42.0mm	
No. 32109	8.0mm	46.0mm	
No. 32131	8.0mm	56.5mm	
No. 19981	10.0mm	50.0mm	
	\$4.00 each		

Replacement Mercury Style Inserts



Fits above glass tubes.

	OD	Length	
No. 32110 5.0mm	25.0mm	\$4.50 each	
No. 32132 5.0mm	30.0mm	\$4.50 each	
No. 20286 6.0mm	28.6mm	\$4.50 each	
No. 19982 6.0mm	40.0mm	\$4.50 each	

Morbier Chain Pendulum



35" long chain rod with a 1-1/2" diameter lead bob and rating assembly.

No. 10277 \$23.50 each

Asa Munger Pendulum



Cast and unfinished. 1-7/8" tall x 3-1/8" wide. Adjustable bob wire 2-3/4" long.

No. 29497 \$7.25 each

New Haven Pendulum



Solid brass. 1-3/8" diameter. 2-1/8" steel rod. **No. 10225** 1-3/4 Oz. \$7.50 each

Novelty Pendulum-Miniature



Brass 5/8" diameter bob. 2-5/8" long. **No. 10289** \$2.00 each

Novelty Pendulum



Novelty pendulum with brass finish. 1" bob x 3" long with hook end rod.

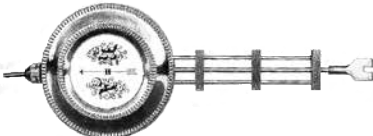
No. 32585 \$2.25 each

Novelty Pendulum



7-3/4" long with 3/4" brown wood bob. **No. 20229** \$2.50 each

R&A Pendulums



Brass. White insert. Hook end. India.

	Length	Bob Dia.	
No. 20316	6-7/8"	3"	\$12.00
No. 20317	11-7/8"	3"	\$14.50
No. 22713	9-1/2"	3-1/2"	\$14.50
No. 22714	10-1/2"	3-1/2"	\$15.00

R&A Hermle Pendulum



Brass. White insert. Hook end. Germany. **No. 19933** 3-1/8" Dia. 12-3/4" Long \$39.50

Seth Thomas #2 Pendulum



Complete pendulum for #2 clock. Includes 24-3/4" wood rod with top hook, rating assembly, wear plate and 4-1/2" brass covered bob.

No. 20002 \$50.00 set

Seth Thomas Cylindrical Pendulum



Brass 5/8" diameter bob. Steel rod 6-1/4" long with brass top hook. Can be shortened. **No. 29768** \$10.50 each

Seth Thomas Pendulums



No. 19600 \$15.50 each
No. 19601 \$15.50 each
No. 19602 \$16.00 each

Silk Thread Pendulum



11-3/8" long x 1-1/4" dia. Can be shortened. **No. 10241** \$9.00 each

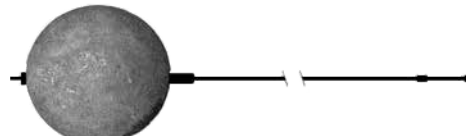
Store Regulator Pendulum Assembly



Brass finished bob and wood rod with top hook and rating assembly.

	Length	Diameter	
No. 22715	7"	3-1/8"	\$9.00
No. 22716	9-1/2"	3-1/8"	\$10.50
No. 29407	12-1/2"	3-1/8"	\$13.50

Tall Case Pendulum-English & American



33" threaded steel rod, brass rating assembly, suspension spring, and 4-1/2" diameter cast iron bob. 2-1/2 lbs. Ships in 2 cartons. **No. 10253** \$38.50 set

Universal Pendulum-Brass



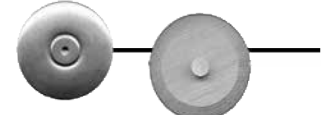
1-3/8" diameter by 6-5/8" long. 2-1/2 oz. **No. 10226** \$13.00 each

Wag On The Wall Pendulums-German



Adjustable brass covered bobs with a 16-5/8" long brass rod. Hook end. **No. 20238** 2-3/16" Dia. Bob \$21.00
No. 20239 3-1/8" Dia. Bob \$29.50

Wag On The Wall Pendulum



Brass 2-3/4" bob with a wood back. 37" metal rod with a hook end. Germany. **No. 20505** \$28.50 each

Zaandam Clock Pendulum



Cast bob with gold finish. 1-1/2" W x 8-1/2" L with top hook. **No. 18268** \$10.50 each

Clock Parts: Quartz Bob & Rod Assemblies

Battery Movement Pendulum Assemblies-Hook End



Brass 16" breakaway 5/16" rod. Polished brass finish bob. For quartz movements. **No. 18884** With 2" Dia. Bob \$3.50
No. 18885 ... With 2-3/4" Dia. Bob \$3.75
No. 18886 ... With 3-1/2" Dia. Bob \$4.00

Clock Parts: Quartz Bob & Rod Assemblies

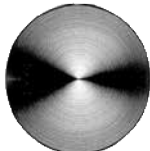
Battery Movement Pendulum Assemblies-Forked End



Brass breakaway 5/16" rod. Polished brass finish bob. For quartz movements.

No. 19011 16" Rod 2-3/4" Bob **\$3.75**
No. 19010 22" Rod 3-1/2" Bob **\$4.50**

Fits 5/16" Wide Rods-Bob Only



Brass finish.

No. 29536 2" Diameter **\$1.50 each**
No. 29537 .. 2-3/4" Diameter **\$1.75 each**
No. 29538 .. 3-1/2" Diameter **\$2.00 each**

Rods Only For Quartz Movements

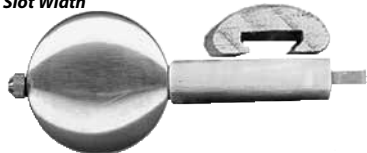


5/16" rods scored in 1" increments to reduce length. For quartz pendulum assemblies.

No. 23360 .. Forked End 16" Long **\$2.50**
No. 19009 .. Forked End 22" Long **\$5.00**
No. 29541 Hooked End 16" Long **\$2.50**
No. 29540 Hooked End 22" Long **\$5.00**

Pendulum Cover-Wood

5/16" Slot Width



Unfinished wood. Slides over battery pendulum rods. Bob and rod not included.

No. 19640 12" long **\$4.00 each**

Decorative Quartz Pendulum-Closeout



Heavy 2-1/8" diameter chromed bob x 5-1/8" chromed rod. Split hook end with adjustable rating nut. Can use on mechanical movements. **Was \$8.00.**

No. 00682 **\$4.00 each**

Decorative Quartz Pendulums



No. 32607 2-3/8" D x 6-5/8" L **\$7.50**



2-7/8" diameter x 7-5/8" long brass finish aluminum with hook end. Etched bob.

No. 32608 **\$3.50 each**
88



2-3/8" diameter x 10-3/8" long antique brass finish aluminum with hook end. Ridged bob.
No. 32609 **\$4.00 each**



3-3/4" diameter x 6-3/4" long dull brass finish aluminum with hook end. Etched bob.
No. 32610 **\$4.50 each**



4-1/4" diameter embossed bob x 6-1/4" long antique brass finish aluminum with hook end.
No. 32611 **\$4.50 each**



4-1/4" diameter embossed bob x 8-1/2" long antique brass finish aluminum with hook end.
No. 32612 **\$4.50 each**

Plain Quartz Pendulums



1" diameter bob x 4-3/8" long. Brass finish aluminum with hook end. Non-adjustable.
No. 32614 **\$2.50 each**



1-9/16" diameter bob x 4-1/8" long. Brass finish aluminum with hook end. Non-adjustable.
No. 32615 **\$2.50 each**

Plain Quartz Pendulums



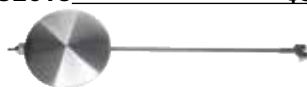
2" diameter bob x 3-1/4" long. Brass finish aluminum with hook end. Non-adjustable.
No. 32616 **\$2.75 each**



2-3/8" bob x 8-1/2" long. Brass finish aluminum with hook end silver rod. Non-adjustable.
No. 32617 **\$3.00 each**



2-3/8" diameter bob x 10-1/4" long. Brass finish aluminum with hook end. Adjustable.
No. 32618 **\$3.25 each**



Brushed chrome 2-5/8" diameter bob x 9-1/2" chromed rod. Split hook end with adjustable rating nut. **Was \$10.00.**
No. 33190 **\$5.00 each**



2-3/4" diameter brushed brass bob x 8-1/4" rod. Single hook end with adjustable rating nut. **Was \$4.00.** Can use on mechanical movements.
No. 00683 **\$2.00 each**



2-3/4" bob x 8-5/8" long. Brass finish aluminum with hook end silver rod. Non-adjustable.
No. 32619 **\$3.25 each**



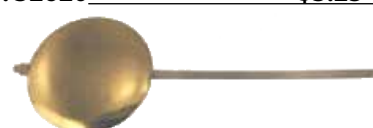
Heavy brushed chrome 2-3/4" diameter bob x 9-1/2" chromed rod. Split hook end with adjustable rating nut. **Was \$10.00.** Can use on mechanical movements.
No. 33654 **\$5.00 each**



2-7/8" bob x 6" long. Copper finish aluminum on a wood rod with hole end. Adjustable.
No. 32623 **\$3.25 each**



2-7/8" diameter bob x 8" long. Brass finish aluminum with hook end. Adjustable.
No. 32620 **\$3.25 each**



3-1/8" diameter bob x 9-1/2" long. Brass finish aluminum with hook end. Non-adjustable.
No. 32621 **\$3.25 each**

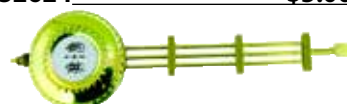


3-3/4" bob x 7-5/8" long. Antique brass finish with hook end. Non-adjustable.
No. 32622 **\$3.25 each**

R & A Pendulums For Quartz Movements



2-1/4" x 8" hook end brass finish aluminum. Non-adjustable.
No. 32624 **\$5.00 each**



2-1/4" x 9-1/2" hook end brass finish aluminum. Adjustable.
No. 32631 **\$5.00 each**

Clock Parts: Quartz Bob & Rod Assemblies



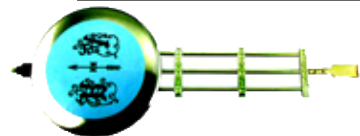
2-3/8" x 6-3/4" hook end brass finish aluminum. Non-adjustable.

No. 32625 \$5.00 each



2-3/8" x 9-1/8" hook end gold finish aluminum. Non-adjustable.

No. 32626 \$5.00 each



2-7/8" x 7-7/8" hook end brass finish aluminum. Adjustable.

No. 32628 \$5.50 each



3-1/2" x 9-1/2" hole end brass finish aluminum. Adjustable.

No. 33790 \$6.00 each



3-1/2" x 12-3/8" hole and hook end brass finish aluminum. Adjustable.

No. 32630 \$6.50 each



2-1/4" ridged bob x 8-1/2" brass finish aluminum. Hook end. Adjustable.

No. 32632 \$5.00 each



2-3/4" x 10-3/8" brass finish aluminum. Hook end. Non-adjustable.

No. 32633 \$5.00 each



2-3/4" x 10-7/8" antiqued ridged brass finish aluminum. Hook end. Non-adjustable.

No. 32634 \$5.00 each



2-7/8" x 11-7/8" antique brass finish aluminum. Hook end. Adjustable.

No. 32635 \$5.00 each



3-1/2" x 12" brass finish aluminum. Hole and hook end. Adjustable.

No. 32637 \$5.00 each

Double Barrel Quartz Pendulum



Brass finish aluminum. Each barrel is 3/4" diameter x 4-3/4" long. 35-3/8" rod with a combination hole and hook end. Adjustable.

No. 32652 \$23.00 each

Lyre Quartz Pendulums



2-7/8" x 9-3/8" brass finish aluminum with etched bob. Hook end. Non-adjustable.

No. 32639 \$5.00 each



2-7/8" x 10-1/4" brass finish aluminum. Hook end. Adjustable.

No. 32640 \$5.50 each



3-1/8" x 10-3/8" brass finish aluminum. Hook end. Adjustable.

No. 32641 \$6.00 each



3-1/2" x 9-3/8" brass finish aluminum with etched bob. Hook end. Non-adjustable.

No. 32643 \$6.00 each



3-1/2" x 10-1/4" brass finish aluminum with silver bob. Hook end. Non-adjustable.

No. 32644 \$6.00 each



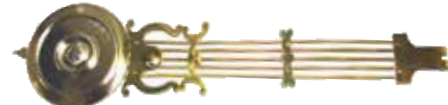
3-1/2" x 11-1/8" dull brass finish aluminum bob with silver rod. Hook end. Non-adjustable.

No. 32642 \$6.00 each



3-1/2" x 11-1/4" brass finish aluminum with copper bob. Hook end. Non-adjustable.

No. 32645 \$6.00 each



3-7/8" x 15-1/2" brass finish ridged aluminum. Hook end. Adjustable.

No. 32647 \$12.50 each



3-7/8" x 16-1/4" brass finish ridged aluminum. Hook end. Adjustable.

No. 32648 \$13.00 each



3-7/8" x 19-5/8" brass finish aluminum with etched bob. Hook end. Non-adjustable.

No. 32649 \$13.50 each



4-1/2" x 14-3/4" brass finish aluminum. Hook end. Adjustable.

No. 32646 \$13.00 each



5-7/8" x 35" brass finish aluminum. Hook end. Adjustable.

No. 32992 \$19.00 each



6" x 31-3/8" brass finish aluminum with etched bob. Hook end. Adjustable.

No. 32650 \$16.00 each



7-1/8" x 31" brass finish etched aluminum. Hook end. Adjustable.

No. 32993 \$20.00 each



7-1/8" x 35-1/2" brass finish embossed aluminum. Hook end. Adjustable.

No. 32994 \$21.00 each



7-1/8" x 39-1/2" brass finish embossed aluminum. Hook end. Adjustable.

No. 32995 \$22.00 each

Clock Parts: Quartz Bob & Rod Assemblies



8-5/8" x 44-1/2" brass finish aluminum. Hook end. Adjustable.
No. 32996 **\$36.00 each**

Clock Parts: Pendulum Components

Pendulum Bob Wires



Steel wire with a brass rating nut.
No. 20414 2" Long **\$1.50 each**
No. 12257 2-5/8" Long **\$1.50 each**
No. 12258 3-1/4" Long **\$1.50 each**
No. 12259 4-1/4" Long **\$1.50 each**
Bob Wire Assortment
One each of 4 above sizes.
No. 30477 **\$5.00 pack**

Pendulum Crutch-French Clock **NEW**



Brass. 2-5/8" long.
No. 34012 **\$4.50 each**

Pendulum Crutch Blank-Fusee



Brass. 2-5/16" long x .047" thick. 1/4" diameter on one end, 3/8" diameter on the other. India.
No. 33560 **\$3.00 each**

Pendulum Crutch-Tall Case



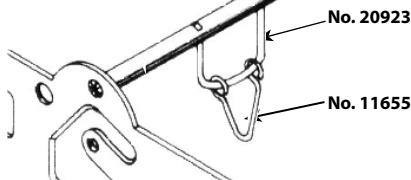
5-508" long. Bend to fit.
No. 10537 **\$6.25 each**

Pendulum Crutch-Tall Case



Formed crutch for tall case movements.
No. 29722 **\$7.50 each**

Pendulum Hanging Wire & Loop For Cuckoo Movements



For Regula 25 and 34 cuckoo movements but can be used on others.
No. 20923 U-Loop **50¢ each**
No. 11655 V-Wire **50¢ each**

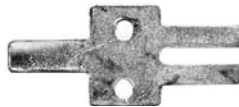
Pendulum Hangers For Cuckoos



No. 12293 .80mm 3-1/8" Long **\$1.00**
No. 12294 .90mm 3-1/2" Long **\$1.00**
No. 12295 100mm 4" Long **\$1.00**
No. 12296 110mm 4-5/16" Long **\$1.00**
No. 12297 120mm 4-3/4" Long **\$1.00**

Cuckoo Pendulum Hanger Assortment
Includes 5 lengths, one each from above.
No. 13198 **\$3.50 pack**
90

Pendulum Hook-Brass



Bend tabs over to fit. 5/8" wide.
No. 12279 **\$1.50 each**

Pendulum Hook



Pre-bent brass plated hook is 5/8" wide.
No. 23589 **\$1.00 each**

Pendulum Hook



Brass. For 1/2" and 5/8" pendulum rods.
No. 23779 **\$1.00 each**

Pendulum Hook-Fancy Brass



For 5/8" wide wood rods.
No. 12376 **\$1.50 each**

Pendulum Hook



Brass. 1mm wide top slot. Overall length is 32.8mm (1.29"). Nail or screw into rod.
No. 29717 **\$1.25 each**

Pendulum Hooks



No. 32819



No. 32820

Brass finished aluminum. Use on 1/2" and 5/8" wide pendulum rods.

No. 32819 Single Hook **\$1.00 each**
No. 32820 Double Hook **\$1.00 each**

Pendulum Hook 12-Piece Assortment

NEW



Brass finished top hooks to fit 1/2" and 5/8" wood rods. 3 pieces of 4 different styles, single and double hook ends.
No. 34028 **\$3.50 pack**

Pendulum Hooks



No. 12371



No. 12372



No. 23631

No. 12371 For 3/4" Wood Rod Brass **\$1.75**
No. 12372 For 3/4" Wood Rod Brass **\$1.75**
No. 23631 .. For 1" Wood Rod Steel **\$1.75**

Pendulum Hook & Bracket Brass-Ansonia



5/8" wide.
No. 18401 **\$2.25 set**

Pendulum Hook & Slider-Cuckoo



No. 12298



No. 12299

For 3/8" wide cuckoo pendulum rods.
No. 12298 Hook
No. 12299 Slider
75¢ each \$6.00/ 12 (50¢)

Hook & Slider Assortment

12 piece assortment. 6 each of above.
No. 10293 **\$4.00 pack**

French Pendulum Hooks-Brass



No. 12260



No. 23493



No. 19797

Mini hook. M2 thread.
No. 19797 **\$2.00 each**

Medium size hook. #3-48 thread.
No. 12260 **\$2.00 each**

Large size hook. #4-40 thread.
No. 23493 **\$2.50 each**

6-Piece Pendulum Hook Assortment
2 pieces each of 3 different hooks above.
No. 32401 **\$12.00 pack**

Pendulum Hooks-Brass Hermle Style



No. 11678



No. 11677

Fits Hermle and other movements.
No. 11678 3/4" Wide **\$2.00 each**
No. 11677 1" Wide **\$2.00 each**

6-Piece Pendulum Hook Assortment
Includes 2-No.11677 and 4-No.11678.
No. 32399 **\$9.50 pack**

Pendulum Hook-Jauch



Stamped, blackened hook with 2 mounting screws. 2-1/2" long x 7/8" wide.
No. 23981 **\$2.00 each**
No. 00979 Hook Only-No screws **\$1.00**

Pendulum Hooks-Kieninger Style



No. 18737



No. 18738

Brass hooks.
No. 18737 .. 3/4" W x 15/16" Long **\$1.75**
No. 18738 1-1/2" Long **\$4.50**

Pendulum Hook & Rod-Koma Jr.-Closeout



2-5/8" hook and brass threaded rod. Was \$5.00.
No. 00259 **\$2.50 each**

Clock Parts: Pendulum Components

Pendulum Hooks-Quartz Rod

NEW



Hook and hole end brass hook with a tubular end fits a 3/32" (.093") diameter pendulum rod.
No. 33860 **\$1.00 each**



NEW

Brass hook fits a 3/16" (.187") diameter quartz pendulum rod. Bend over top to create hook.
No. 33861 **\$1.00 each**



NEW

Hook end brass hook with a tubular end fits a 3/32" (.093") diameter quartz pendulum rod.
No. 33862 **\$1.00 each**

Pendulum Hook Brass-#2 Regulator



For 3/4" rods.
No. 12278 **\$4.00 each**

Pendulum Top Hook-Seth Thomas



Formed brass hook is 1-1/8" long.
No. 24705 **\$1.00 each**

Pendulum Hook Seth Thomas



Brass split hook for wood Seth Thomas rods.
No. 32913 **\$1.00 each**

Pendulum Hook-Urgos



Brass pendulum top hook for grandfather wood pendulums. 1" wide.
No. 33218 **\$3.50 each**

Pendulum Top Hook-Waterbury



Brass hook for Waterbury pendulum rods.
No. 12071 **\$1.00 each**

Pendulum Leader-Brass



For S. Thomas, E.N. Welch. 1-7/8" long.
No. 11662 **\$1.75 each**

Urgos Pendulum Leader-Closeout



Nickeled 5-1/2" leader with cross pin. Used on European clocks. Welded beat setting adjustment feature. **Was \$12.00.**
No. 01449 **\$6.00 each**

Pendulum Leaders-Brass



No. 12267



No. 12266

For German, English and American clocks.

No. 12267 4-1/4" Long Brass **\$3.00 each**
No. 12266 4-1/2" Long Brass **\$3.00 each**

Pendulum Leader-Grandfather



Brass. 7-1/8" long.

No. 12264 **\$5.00 each**

Pendulum Leaders-Hermle Style **NEW**



Fits Hermle and other movements.

No. 15891 . Nickel Plated 2-1/8" **\$6.50**
No. 15893 ... Brass Plated 4" **\$6.50**
No. 33890 Steel 4-3/8" **\$6.75**
No. 15895 . Nickel Plated 5-1/2" **\$8.00**
No. 15896 . Nickel Plated 6-7/8" **\$8.00**



No. 33286 4-1/2" Long **\$8.50 each**



No. 33192 5-1/4" Long **\$9.00 each**



No. 15894



No. 15898

No. 15894 Brass Plated 4-3/8" **\$7.50**
No. 15898 Brass Plated 5-1/2" **\$8.50**

Pendulum Leaders-Kieninger Style **NEW**



Brass. 4-1/2". For wall, mantel and PS movements.

No. 33864 **\$6.50 each**



Brass leader is 7" overall.

No. 18734 **\$9.50 each**

Pendulum Leaders-Urgos



Brass. Fits Urgos and other movements.

No. 19927 4-1/4" **\$5.00 each**



No. 19930 6-7/8" **\$5.00 each**

Pendulum Rod-Steel Grandfather

Rod threaded #6-32 on both ends. 33" long.

No. 12289 **\$5.00 each**

Pendulum Rods-Oval



Steel with brass nut.

No. 12261 4-7/8" Long **\$4.25 each**
No. 12262 6-1/4" Long **\$4.25 each**
No. 12263 7-1/2" Long **\$4.25 each**

Pendulum Rods-Square Old Style



Steel with brass nut.

No. 24700 3" Long **\$4.25 each**
No. 12364 4-7/8" Long **\$4.25 each**
No. 12365 6-3/8" Long **\$4.25 each**

Pendulum Rods-Wood Cuckoo



Brown rods.

No. 29226 .3/8" W x 6-5/8" L **\$1.50 each**
No. 18261 .3/8" W x 7-1/2" L **\$1.50 each**
No. 01754 .3/8" W x 7-3/4" L **\$1.50 each**
No. 29227 .3/8" W x 8-1/4" L **\$1.50 each**
No. 17887 .3/8" W x 9-1/2" L **\$1.50 each**
No. 29228 .3/8" W x 13-1/2" L **\$2.00 each**
No. 32785 .3/8" W x 15-3/4" L **\$2.00 each**

Unfinished Rods.

No. 32780 .3/8" W 6-3/4" L **\$1.35 each**
No. 32781 .3/8" W 7-1/2" L **\$1.35 each**
No. 32782 .3/8" W 8-1/4" L **\$1.35 each**
No. 32783 .3/8" W 13-1/2" L **\$1.35 each**
No. 32784 .3/8" W 15-3/4" L **\$1.35 each**

Pendulum Rod Assemblies



No. 19534



No. 12310



No. 22816



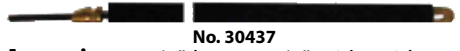
No. 19349



No. 20100



No. 18399



No. 30437

Ansonia 11-3/4" long x 5/8" wide with top hook and rating assembly. Stained.

No. 19534 **\$11.50 each**

Ansonia For large regulators. 24-1/8" length. With top hook and rating assembly. Stained.

No. 12310 **\$21.00 each**

Banjo 25-1/2" long overall with steel rod, brass keystone and rating assembly. Includes suspension spring. Uses **No. 23142** Willard bob (not included).

No. 22816 **\$24.50 each**

Seth Thomas 14-1/2" L x 5/8" W. Top hook and rating assembly. Slotted for bob. Stained.

No. 19349 **\$13.00 each**

Seth Thomas #2 #24-3/4" wood rod with top hook, rating assembly and wear plate.

No. 20100 **\$22.00 each**

Store Regulator 14-1/4" long x 5/8" wide with rating assembly and hook. Stained.

No. 18399 **\$10.50 each**

Waterbury Black lacquered rod is 15-3/4" long. For Waterbury and other clocks.

No. 30437 **\$11.50 each**

Clock Parts: Pendulum Components

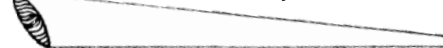
Pendulum Rods-Unfinished Wood



No. 12286 Shop Regulator



No. 12287 Banjo



No. 12227 #2 Regulator and Grandmother

No. 12228 Grandfather

	Rod Length	Rod Width	
No. 12286	18"	5/8"	\$5.00 each
No. 12287	18"	7/16"	\$5.00 each
No. 12227	36"	3/4"	\$7.75 each
No. 12228	36"	1"	\$8.25 each

Oval Wood Rods



Unfinished oval wood rod, top hook and rating assembly with brass nut. Measured from top of top hook to tip of rating assembly. For Hermle and other movements. Up to 48" wood rods are available.

Part #	Rod Length	Price
3/4" Oval Wood Rod		
No. 22743	7"	\$6.00
No. 22744	7-1/2"	\$6.00
No. 22745	8"	\$6.00
No. 22746	8-3/4"	\$6.00
No. 22747	9-1/2"	\$6.25
No. 20107	10"	\$6.25
No. 22748	10-1/2"	\$6.25
No. 22749	11-1/2"	\$6.25
No. 20108	12"	\$6.75
No. 22750	12-3/4"	\$7.00
No. 22751	14"	\$7.50
No. 22752	15-1/4"	\$7.75
No. 22753	16"	\$8.00
No. 22754	17-1/4"	\$8.25
No. 22755	21-3/8"	\$9.50
No. 22756	22-3/4"	\$9.75
No. 20099	24"	\$10.00
No. 22757	24-1/2"	\$10.00
No. 12375	27-1/2"	\$10.25
No. 22758	28"	\$10.25
No. 22759	30-3/4"	\$10.50
No. 22760	32"	\$10.50
No. 22761	32-3/4"	\$10.50
No. 22762	34"	\$10.50
No. 22763	38-1/2"	\$13.50
No. 22764	39-1/2"	\$13.50
No. 22765	40-1/2"	\$14.00

1" Oval Wood Rod

No. 22738	28-1/4"	\$9.50
No. 22739	33"	\$10.00
No. 12304	33-1/2"	\$10.00
No. 22740	37-1/2"	\$14.50
No. 22741	41"	\$14.50
No. 22742	42"	\$15.00

Pendulum Rod Rating Nut



Brass knurled rating nut. #10-32 thread.
No. 12280 \$1.25 each
92

Pendulum Rod Rating Nut



NEW

Brass rating nut. M2.5 internal thread.
No. 00956 \$1.50 each

Pendulum Rod Rating Nut Assortment



10 assorted brass pendulum rod nuts.
No. 11656 \$10.50 pack

Rating Assembly-Brass



Threaded brass rod with adjusting nut.
No. 23780 3" Long \$3.00 each
No. 32889 7" Long \$6.50 each

Rating Assembly



3mm threaded steel or brass rod and brass nut.
No. 29310 4-3/4" Long \$3.50 each

Rating Assembly-Steel



3-1/2" steel M2.5mm rod with brass nut.
No. 18461 \$2.50 each

Rating Nut Only-Brass

No. 19793 \$1.75 each

Rating Assembly-Grandfather



6-1/2" overall length. With a brass rating nut. Body is 5" long x 3/8" wide x 3/16" thick. #6-32 internally threaded.
No. 12290 \$10.50 each

Rating Assembly-Grandfather



8" overall length. With a brass rating nut. Body is 6" long x 3/8" wide x 3/16" thick. #6-32 internally threaded.
No. 01784 \$10.50 each

Rating Assemblies



No. 12269 No. 12270 No. 12271 No. 12272

With brass rating nut. All are 2-1/4" long.
No. 12269 #2 \$5.50 each
No. 12270 Vienna \$4.00 each
No. 12271 Banjo \$4.00 each
No. 12272 Regulator \$4.00 each

Rating Assembly For #2 Regulator



Steel rod with brass nut and holder.
No. 18202 \$6.00 each

Rating Assembly For #2 Regulator



3-1/8" steel strap style. Brass nut and holder.
No. 20422 \$7.00 each

Waterbury Rating Assembly



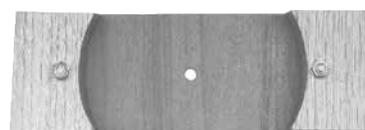
Steel rod with brass nut.
No. 10259 \$4.00 each

Banjo Tie-Down



Cast brass. 2-1/8" wide.
No. 12276 \$9.00 each

Seth Thomas #2 Pendulum Tie Down



2 holes on the backboard of Seth Thomas #2's are for this wood pendulum tie down when transporting the clock. 7-1/2" W x 2-1/2" H x 7/8" T. With mounting screws and nuts.
No. 20309 \$11.50 each

Wear Plate-Old Style Banjo



Brass 1-1/8" L x 5/16" W. 2 mounting screws.
No. 20423 \$2.50 set

Wear Plates



No. 12277

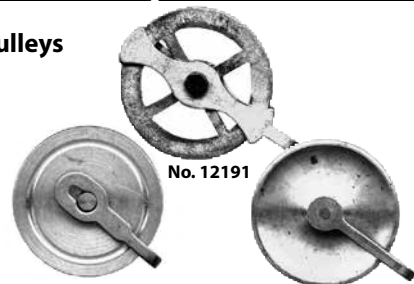
No. 12377

Prevents the wire from wearing against the wood rod. Brass.

No. 12277 2-3/8" Regulator \$1.50
No. 12377 1-7/16" Vienna \$1.50

Clock Parts: Pulleys & Related

Pulleys



No. 12191

No. 12192

No. 12193

Brass pulleys with brass straps.
No. 12191 1-1/4" Vienna \$6.00
No. 12192 1" #2 Regulator \$6.00
No. 12193 1-5/16" Banjo \$6.00

Pulley-Fancy Star



1-1/8" brass pulley requires finishing.
No. 16702 \$7.00 each

Clock Parts: Pulleys & Related

Pulleys-Grandfather & Grandmother



Brass pulleys with steel straps.
No. 12190 .. 1-1/2" Grandmother **\$9.00**
No. 12189 1-3/4" Grandfather **\$9.00**

Pulleys-Hermle Style



Brass. For Hermle and other movements.
No. 19283 1-1/2" Dia. **\$9.00 each**
No. 11603 1-3/4" Dia. **\$9.00 each**

Pulleys-Kieninger



NEW

1-3/8" brass. Used on PS movements.
No. 33865 **\$10.00 each**



NEW

Brass 1-5/8" yoke style. For RWS movements.
No. 33866 **\$12.00 each**



1-3/4" brass. Used on KSU and MSU movements.
No. 22969 **\$12.00 each**

Pulley-Miniature



3/4" brass pulley requires final polishing.
No. 20267 **\$7.50 each**

Pulley-Regulator-Closeout



High quality. Brass. **No. 33648** has a 1.8mm (.070") groove. **No. 33647** has a 2.0mm (.079") groove. **Was \$8.50 and \$10.50.**
No. 33648 1-3/16" Dia. **\$4.25 each**
No. 33647 1-1/2" Dia. **\$5.25 each**

Pulley-#3 Regulator



For #3 regulators and others. 1-1/8" Brass.
No. 18907 **\$11.00 each**

Pulley-Rope



Extra wide. 1-1/2". Brass with a steel strap.
No. 12195 **\$11.00 each**

Pulley-Seth Thomas



2" fancy brass pulley. Polishing required.
No. 20417 **\$15.50 each**

Pulley-Universal-Closeout



1-1/8" brass, 1.6mm (.063") groove. **Was \$6.00.**
No. 33649 **\$3.00 each**
No. 33651 **\$3.00 each**

Pulley-Vienna Fancy



Solid brass. 1-1/8". Final finishing required.
No. 18224 **\$8.00 each**

Waterbury Pulley



1" diameter brass with mounting screw and nut.
No. 10275 **\$8.00 each**

Pulley-Willard Banjo



Brass. 1-3/8" diameter.
No. 29955 **\$6.00 each**

Pulleys-Wood



No. 12194



No. 17400

Used on American weight clocks.
No. 12194 7/8" Dia. 1 Day **\$1.50 each**
No. 17400 1-1/8" Dia. 8 Day **\$1.50 each**

Pulley Strap-Closeout



8mm between centers. 3.6mm mounting holes. Distance from holes to strap top is 17mm. **Was \$4.00.**
No. 00089 **\$2.00 each**

Pulley Strap



14mm between centers. 3mm mounting holes. Distance from holes to top is 27.0mm.
No. 29725 **\$4.00 each**

S-Hooks



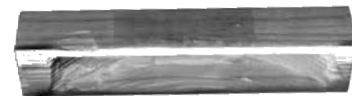
Nickel plated steel hooks.
No. 10465 5/8" **40¢ each**
No. 10464 7/8" **40¢ each**
No. 10463 1-1/4" **40¢ each**
12-Piece S Hook Assortment
 4 pieces each of 3 sizes above.
No. 32484 **\$3.75 pack**

Pulley Cover



Tin covers were used on pillar and scrolls and others. 1-3/4" diameter x 1-1/4" tall.
No. 23264 **\$6.00 each**

Dust Covers-Wood



For early American clocks. Hardwood.
No. 14713 4-1/2" L x 7/8" W **\$5.50 pair**
No. 14714 ... 5-1/4" L x 1" W **\$6.00 pair**

Clock Parts: Racks & Levers

Chime Lever-Urgos UW32 - Closeout



Nickel. 35.6mm overall length. **Was \$4.00.**
No. 01402 **\$2.00 each**

Rack Blank



NEW

Steel. 14-tooth. 3-1/8" T x 2-3/8" W x .155" hole.
No. 33899 **\$5.50 each**

Rack Assembly



Finished with a steel mounting arbor.
No. 12726 **\$25.00 set**

Rack Assembly



Rack, hook, lift lever, and 3 posts.
No. 20439 **\$43.50 set**

Rack Spring-Brass



For grandfather clocks. 5" long.
No. 10536 **\$3.50 each**

Clock Parts: Springs-Coil

Spiral Spring Assortment-12 Pieces





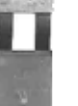













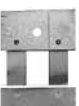

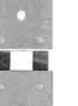


























Small compression and extension springs for clockmakers and hobbyists. India.
No. 33470 **\$2.00 each**
93





















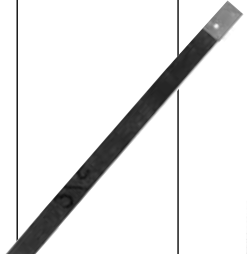






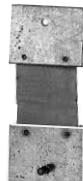

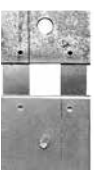
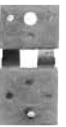







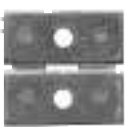






Suspension Springs

The most complete selection of suspension springs with detailed specifications Example:

- The first line is Timesavers' part number and the manufacturer's part number **No. 11038 (#1)**
- The second line is the overall length and overall width 14.5mm x 8.0mm
- The third line is the hole-to-pin length and spring thickness 10.25mm / 0.04mm
- When a specific use is known it is indicated.
- All are combinable for quantity discounts.

								
No. 11038 (#1) 14.5mm x 8.0mm 10.5mm / 0.04mm \$3.00 \$8.25/3	No. 11039 (#2) 15.5mm x 8.0mm 11.50mm / 0.04mm \$3.00 \$8.25/3	No. 11040 (#3) 16.5mm x 8.0mm 12.5mm / 0.05mm \$3.00 \$8.25/3	No. 11041 (#4) 17.5mm x 8.0mm 13.5mm / 0.05mm \$3.00 \$8.25/3	No. 11042 (#5) 18.5mm x 8.0mm 14.5mm / 0.05mm \$3.00 \$8.25/3	No. 11043 (#6) 19.5mm x 8.0mm 15.5mm / 0.06mm \$3.00 \$8.25/3	No. 11044 (#7) 20.0mm x 8.0mm 16.5mm / 0.06mm \$3.00 \$8.25/3	No. 11045 (#8) 18.0mm x 8.0mm 13.5mm / 0.04mm \$3.00 \$8.25/3	No. 11046 (#9) 15.0mm x 8.0mm 10.5mm / 0.05mm \$3.00 \$8.25/3
								
No. 11047 (#10) 17.0mm / 8.0mm 12.5mm / 0.05mm \$3.00 \$8.25/3	No. 11049 (#12) 21.25mm x 8.0mm 17.0mm / 0.05mm \$4.50 \$12.75/3	No. 11050 (#13) 24.0mm x 8.0mm 19.0mm / 0.05mm \$4.50 \$12.75/3	No. 11051 (#14) 19.0mm x 8.0mm 15.0mm / 0.04mm \$4.50 \$12.75/3	No. 11053 (#15) 19.0mm x 8.0mm 14.5mm / 0.05mm \$4.50 \$12.75/3	No. 11054 (#16) 20.0mm x 8.0mm 12.5mm / 0.05mm \$9.50 \$27.75/3	No. 11055 (#17) 18.0mm x 8.0mm 13.0mm / 0.04mm \$4.50 \$12.75/3	No. 11056 (#18) 65.0mm x 6.0mm 57.5mm / 0.10mm No Pins (Not To Scale) \$6.50 \$18.75/3	No. 11057 (#19) 15.5mm x 10.0mm 10.5mm / 0.06mm \$4.00 \$11.25/3
								
No. 11058 (#20) 18.0mm / 10.0mm 13.0mm / 0.06mm \$4.00 \$11.25/3	No. 11059 (#21) 21.0mm / 10.0mm 16.0mm / 0.06mm \$4.00 \$11.25/3	No. 11060 (#22) 20.0mm / 8.0mm 14.0mm / 0.05mm Morbier / No Pins \$5.50 \$15.75/3	No. 11061 (#23) 19.25mm / 8.0mm 12.5mm / 0.05mm Morbier / No Pins \$5.50 \$15.75/3	No. 11062 (#24) 20.0mm / 10.0mm 11.5mm / 0.05mm Morbier / No Pins \$5.50 \$15.75/3	No. 11063 (#25) 23.75mm / 10.0mm 17.0mm / 0.05mm Morbier / No Pins \$5.50 \$15.75/3	No. 12017 (#27) 22.0mm / 5.0mm 17.5mm / 0.04mm French \$5.50 \$15.75/3	No. 11066 (#28) 23.0mm / 5.0mm 18.5mm / 0.05mm French \$5.50 \$15.75/3	No. 11095 (#29) 21.75mm / 5.0mm 19.5mm / 0.05mm French \$5.50 \$15.75/3
								
No. 24683 (#33) 19.0mm / 5.0mm 14.5mm / 0.05mm \$5.50 \$15.75/3	No. 11088 (#35) 15.0mm / 8.0mm 10.5mm / 0.04mm Kienzle \$3.50 \$9.75/3	No. 11074 (#36) 17.5mm / 8.0mm 12.5mm / 0.05mm Mauthe \$3.00 \$8.25/3	No. 11075 (#37) 16.5mm / 8.0mm 12.0mm / 0.04mm Kienzle \$3.00 \$8.25/3	No. 11076 (#38) 17.5mm / 8.0mm 12.5mm / 0.05mm Becker \$5.50 \$15.75/3	No. 12053 (#40) 32.75mm / 14.0mm 26.0mm / 0.07mm \$7.50 \$21.75/3	No. 12055 (#41) 27.5mm / 17.0mm 20.5mm / 0.07mm \$7.50 \$21.75/3	No. 11080 (#42) 25.0mm / 14.0mm 20.5mm / 0.07mm \$7.50 \$21.75/3	No. 11081 (#43) 28.0mm / 14.25mm 20.0mm / 0.07mm Kienzle \$7.50 \$21.75/3
								
No. 11083 (#45) 25.0mm / 12.0mm 18.0mm / 0.06mm H.A.U. \$7.50 \$21.75/3	No. 11084 (#46) 26.5mm / 12.0mm 19.5mm / 0.06mm Junghans \$7.50 \$21.75/3	No. 12050 (#47) 23.5mm / 12.0mm 18.0mm / 0.06mm \$7.50 \$21.75/3	No. 11086 (#48) 23.25mm / 14.0mm 15.5mm / 0.06mm \$8.50 \$24.75/3	No. 11087 (#49) 24.0mm / 10.0mm 19.5mm / 0.06mm \$6.00 \$17.25/3	No. 11073 (#51) 16.5mm / 8.0mm 12.0mm / 0.05mm \$4.00 \$11.25/3	No. 24685 (#52) 14.5mm / 6.0mm 10.5mm / 0.04mm Plastic \$4.00 \$11.25/3	No. 12011 (#54) 16.25mm / 17.0mm 9.0mm / 0.04mm Kundo \$20.00 \$59.25/3	No. 12070 (#54-2) 16.0mm / 17.0mm 9.0mm / 0.04mm Kundo / No Pins \$20.00 \$59.25/3

Suspension Springs

								
No. 16681 (#E-77) Brass Connector	No. 11096 (#102) 26.0mm / 5.0mm 19.0mm / 0.05mm	No. 11097 (#106) 22.5mm / 5.0mm 16.0mm / 0.05mm	No. 11098 (#108) 33.0mm / 5.0mm 26.0mm / 0.05mm	No. 12033 (#128) 19.75mm / 4.0mm 16.0mm / 0.05mm French	No. 12022 (#130) 22.5mm / 4.0mm 14.5mm / 0.05mm French	No. 12025 (#131) 25.5mm / 4.0mm 18.5mm / 0.05mm French	No. 11100 (#132) 25.5mm / 4.0mm 18.0mm / 0.05mm French	No. 24686 (#201) 19.5mm / 8.0mm 15.0mm / 0.05mm 2 Top Holes
\$1.00 each	\$3.50 \$9.75/3	\$3.50 \$9.75/3	\$3.50 \$9.75/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$4.00 \$11.25/3
								
No. 24687 (#202) 18.0mm / 8.0mm 13.0mm / 0.04mm Urgos	No. 12056 (#203) 19.5mm / 8.0mm 15.0mm / 0.05mm 2 Holes	No. 24688 (#204) 14.5mm / 8.0mm 10.5mm / 0.04mm Jauch	No. 24689 (#301) 25.5mm / 11.0mm 17.5mm / 0.06mm Urgos	No. 24690 (#302) 27.0mm / 12.0mm 16.0mm / 0.06mm	No. 24691 (#304) 25.25mm / 12.0mm 15.5mm / 0.10mm Kieninger	No. 24692 (#305) 24.0mm / 12.0mm 15.0mm / 0.10mm Kieninger	No. 24693 (#306) 17.5mm / 8.0mm 12.0mm / 0.08mm Kieninger	No. 11089 (#307) 17.25mm / 8.0mm 12.5mm / 0.05mm Hermle
\$7.50 \$21.75/3	\$4.00 \$11.25/3	\$3.00 \$8.25/3	\$9.00 \$26.25/3	\$9.00 \$26.25/3	\$7.50 \$21.75/3	\$9.00 \$26.25/3	\$3.00 \$8.25/3	\$3.00 \$8.25/3
								
No. 12016 (#308) 24.5mm / 12.0mm 18.0mm / 0.10mm Morbier / No Pins	No. 24694 (#309) 24.5mm / 12.0mm 17.5mm / 0.10mm Morbier / No Pins	No. 12001 (#310) 115.5mm / 6.0mm 107.5mm / 0.10mm No Pins (Not To Scale)	No. 11068 (#311) 25.0mm / 5.0mm 16.5mm / 0.05mm French	No. 11069 (#312) 28.5mm / 5.0mm 20.0mm / 0.06mm French	No. 11070 (#313) 31.5mm / 6.0mm 23.0mm / 0.07mm French	No. 12058 (#314) 20.25mm / 5.0mm 15.0mm / 0.07mm French	No. 24695 (#315) 20.0mm / 5.0mm 15.5mm / 0.05mm	No. 24696 (#316) 23.0mm / 10.0mm 17.0mm / 0.05mm Morbier / No Pins
\$10.50 \$30.75/3	\$10.50 \$30.75/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$6.00 \$17.25/3	\$7.50 \$21.75/3	\$6.50 \$18.75/3	\$6.50 \$18.75/3
								
No. 12059 (#318) 24.0mm / 10.0mm 19.0mm / 0.06mm	No. 11611 (#N/A) 25.25mm/12.25mm 14.75mm / 0.07mm Hermle 21-248C 75cm Or Longer	No. 11612 (#N/A) 25.25mm/12.25mm 14.75mm / 0.10mm Hermle 21-248A	No. 20802 (#21-6) 17.5mm / 8.0mm 12.0mm / 0.04mm Hermle 17.5cm- 66cm 2.4mm Length	No. 20803 (#21-100) 17.5mm / 8.0mm 12.0mm / 0.04mm Hermle 11cm-15cm 3.2mm Length	No. 32251 (#4402S) 28.25mm/8.25mm 19.0mm / 0.05mm Urgos Plastic (Not To Scale)	No. 12083 (#4402) 28.25mm/8.25mm 19.0mm / 0.10mm Urgos Plastic (Not To Scale)	No. 12084 (#4710) 43.5mm / 11.5mm 32.0mm / 0.10mm Urgos Plastic (Not To Scale)	No. 19945 (#N/A) Ansonia & French Swingers (Not To Scale)
\$6.00 \$17.25/3	\$5.50 \$15.75/3	\$5.50 \$15.75/3	\$3.00 \$8.25/3	\$3.00 \$8.25/3	\$9.75 \$28.50/3	\$9.75 \$28.50/3	\$10.75 \$31.50/3	\$49.50 each
								
No. 18727 (#N/A) .0035" thick 1-3/8" long Banjo	No. 29312 (#N/A) Pins included Brillie	No. 20857 (#N/A) Brass Chops With 2 Silk Strips For Bulle	No. 24532 (#N/A) .003" thick 1-1/4" long Fusee	No. 23492 (#N/A) .004" thick 2" long American Electric	No. 19564 (#N/A) .0075" thick 1-1/2" long Jewelers Regulator	No. 23494 (#N/A) .004" thick 1-1/4" long Pneumatic Master	No. 10421 (#N/A) .004" thick 1-3/16" long Time Clocks & Others	No. 32325 (#N/A) .004" thick 1-1/4" long Exact Copy For Seth #2 & Others
\$2.00 each	\$14.00 each	\$27.50 each	\$2.00 each	\$6.00 each	\$4.25 each	\$6.00 each	\$3.00 \$8.25/3	\$10.50 \$30.75/3

Clock Parts: Springs-Coil

200-Piece Coil Spring Assortment

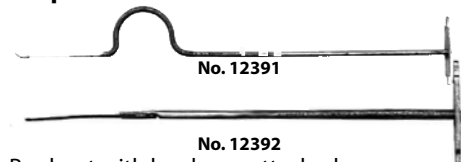


Compression and extension styles. 20 different larger sizes. China.

No. 16657 **\$10.00 each**

Clock Parts: Springs, Suspensions & Rods

Suspension Rods-Ansonia



Pre-bent with hardware attached.

No. 12391 11" Long Front Mount

No. 12392 11-3/4" Long Rear Mount
\$4.50 each

Suspension Rods-Korean Style



For 31-day Korean clocks with brass fittings on top and bottom. 12" overall length.

No. 11618 **\$4.00 each** **\$22.50/ 6 (\$3.75)**

Pendulum Suspension



Fits many mantel clock movements. 3-3/8" long. Spring is 1-5/16" long x .004" thick.

No. 32690 **\$1.00 each** **\$5.10/ 6 (85¢)**

Suspension Rod Assembly-#89



15-1/2" overall with a 1-3/8" spring.

No. 17826 **\$7.50 each**

Suspension Rods



.004" thick. 12-packs.

No. 29386 6" Long **\$5.25 pack**

No. 20996 8" Long **\$5.50 pack**

No. 32804 10" Long **\$5.75 pack**

No. 19577 13" Long **\$6.00 pack**

Suspension Rods-Long Spring



9" long. .004" x 2" suspension. 12-pack.

No. 17825 **\$10.50 pack**

Suspension Rods



17" long. 12-packs.

No. 14422002" Thick

No. 18913003" Thick

No. 18914004" Thick

\$7.50 pack **\$14.50/ 2 (\$7.25)**

96

Suspension Rod -Long



21-1/2" long. .005" thick suspension is 1 1/2" long. 25-packs.

No. 01614 **\$7.50 pack**

Suspension Rods-Extra Long



24" long. .004" thick. 12-pack.

No. 17758 **\$12.00 pack**

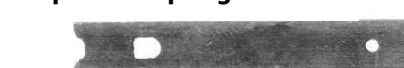
Suspension Rods-One Piece



24" overall length. 12-pack.

No. 18918 **\$12.00 pack**

Suspension Springs



For American style suspension rods. 1-1/4" long x 3/16" wide. 12 of one size in a pack.

No. 187770025" Thick

No. 235850030" Thick

No. 187780035" Thick

No. 235860040" Thick

\$2.50 pack **\$4.50/ 2 (\$2.25)**

Suspension Feather Assortment



25-piece assortment of varying lengths and thicknesses. India.

No. 29464 **\$4.00 pack**

Suspension Bridge- Schatz #53-Closeout



Schatz #46-039. Was \$4.50.

No. 00261 **\$2.00 each**

Suspension Holder-Urgos - Closeout

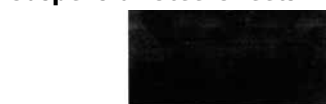


For UW32 Grandmother clock. 5mm (.197") diameter x 7/8" long. Slotted brass. No screws.

Was \$4.50.

No. 00626 **\$2.00 each**

Suspension Steel Sheets



5" long x 3" wide.

No. 10575002" Thick

No. 10576003" Thick

No. 10577004" Thick

No. 10578005" Thick

No. 10579006" Thick

No. 10580007" Thick

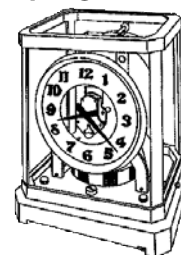
\$3.25 each **\$9.00/ 3 (\$3.00)**

One each of the above sizes.

No. 19398 **\$16.00 pack**

Suspension Spring Material For Atmos & Reutter

*Field
Tested
For
Accuracy*



Proper replacement temperature compensating suspension spring is 9" long. Install your own fittings to complete.

No. 22696 For Atmos **\$18.50 each**

No. 23752 For Reutter **\$19.00 each**

French Suspension Thread



3' length of thread for French clocks.

No. 20081 **\$3.00 each**

400-Day Suspension Spring Assortments



12 temperature compensating springs.

.0020" .0023" .0023" .0025" .0030" .0032" .0032" .0035" .0035" .0037" .0040" .0040"

No. 10425 Popular Sizes

.0018" .0019" .0021" .0022" .0024" .0028" .0031"

.0033" .0036" .0038" .0045" .0050"

No. 10426 Intermediate Sizes

\$22.00 pack **\$43.00/ 2 (\$21.50)**

400-Day Suspension Springs



3-pack temperature compensating springs.

5-3/8" Long

	Inch	MM
No. 10473 .....	.0018"	.0457mm
No. 10474 .....	.0019"	.0483mm
No. 10475 .....	.0020"	.0510mm
No. 10476 .....	.0021"	.0533mm
No. 10477 .....	.0022"	.0558mm
No. 10478 .....	.0023"	.0584mm
No. 10479 .....	.0024"	.0609mm
No. 10480 .....	.0025"	.0635mm
No. 10481 .....	.0028"	.0711mm
No. 10482 .....	.0030"	.0762mm
No. 10483 .....	.0031"	.0787mm
No. 10484 .....	.0032"	.0812mm
No. 10485 .....	.0033"	.0838mm
No. 10486 .....	.0034"	.0863mm
No. 10487 .....	.0035"	.0889mm
No. 10488 .....	.0036"	.0914mm
No. 10489 .....	.0037"	.0939mm
No. 10490 .....	.0038"	.0965mm
No. 10491 .....	.0040"	.1016mm

7-3/16" Long

No. 10492 .....	.0045"	.1143mm
No. 10493 .....	.0050"	.1270mm
No. 10494 .....	.0055"	.1393mm
No. 10495 .....	.0060"	.1524mm
\$5.50 pack	\$15.75/ 3 (\$5.25)	

Clock Parts: Springs, Suspensions & Rods

400-Day Nivarox Suspension Spring Assortments



12 springs in a pack.

No. 29902 Popular Sizes .0020", .0023", .0023", .0025", .0030", .0032", .0032", .0035", .0035", .0037", .0040", .0040"

No. 29903 Intermediate Sizes .0012", .0016", .0018", .0021", .0024", .0026", .0028", .0030", .0034", .0035", .0050", .0055"

\$27.50 each pack

400-Day Suspension Springs-Nivarox



An alternative to Ni-Span C material. Nivarox temperature-compensating material is used by original German manufacturer in production of 400-day suspension units. Replace suspension springs with original factory material. All are 0.60mm (0.0236") wide except where noted. All are 160mm (6.30") long except where noted. 3 springs in a pack.

Part #	Millimeters		Inches	
	T	W x L	T	W x L
No. 29883	.030	x .60 x 160	.00118	x .236 x 6.30
No. 29884	.040	x .60 x 160	.00157	x .236 x 6.30
No. 29885	.045	x .60 x 160	.00177	x .236 x 6.30
No. 29886	.050	x .60 x 160	.00196	x .236 x 6.30
No. 29887	.053	x .43 x 71	.00209	x .169 x 2.80
No. 29888	.058	x .54 x 108	.00228	x .213 x 4.25
No. 29889	.060	x .60 x 183	.00236	x .236 x 7.20
No. 29890	.063	x .55 x 108	.00248	x .217 x 4.25
No. 29891	.065	x .60 x 160	.00256	x .236 x 6.30
No. 29892	.070	x .56 x 122	.00276	x .220 x 4.80
No. 29893	.070	x .60 x 160	.00276	x .236 x 6.30
No. 29894	.075	x .60 x 160	.00295	x .236 x 6.30
No. 29895	.080	x .60 x 160	.00315	x .236 x 6.30
No. 29896	.085	x .60 x 160	.00335	x .236 x 6.30
No. 29897	.090	x .60 x 183	.00354	x .236 x 7.20
No. 29898	.095	x .60 x 160	.00374	x .236 x 6.30
No. 29899	.110	x .60 x 160	.00433	x .236 x 6.30
No. 29900	.130	x .60 x 160	.00512	x .236 x 6.30
No. 29901	.140	x .60 x 160	.00551	x .236 x 6.30

\$8.00 pack

Suspension Wire

Warehouse find. Bronze and Alloy Steel used in 400-day suspension units. 3 pieces/pack. **Was \$5.00. While supplies last.**

No. 01719 .0012" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

No. 01720 .0014" Thick x .0236" W x 8" L Bronze **\$2.50 pack**

No. 01722 .0020" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

No. 01725 .0023" Thick x .0236" W x 6-1/2" L Bronze **\$2.50 pack**

No. 01721 .0016" Thick x .0236" W x 6" L Alloy Steel **\$2.50 pack**

No. 01728 .0028" Thick x .0236" W x 6" L Alloy Steel **\$2.50 pack**

No. 01731 .0030" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

No. 01732 .0032" Thick x .0236" W x 4" L Bronze **\$2.50 pack**

No. 01734 .0035" Thick x .0236" W x 5-1/4" L Bronze **\$2.50 pack**

No. 01736 .0043" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

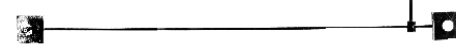
No. 01737 .0047" Thick x .0236" W x 5" L Bronze \$2.50 / pack NC

No. 01738 .0047" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

No. 01739 .0047" Thick x .0236" W x 6" L Alloy Steel **\$2.50 pack**

No. 01740 .0051" Thick x .0236" W x 6" L Bronze **\$2.50 pack**

Quartz Suspension Units-Hermle



See **page #154** for actual sizes. Used on Hermle movements.

No. 19745 Model 967

No. 19746 Model 977

No. 19747 Model 987

No. 19748 Model 977/1

No. 19749 Model 977/2 Leichtem

No. 19750 Model 977/2 Miniature Leichtem

No. 19751 Model 2300-005

No. 19752 Model 2300-005 Normalem

No. 19753 Model 2300-003 Schwerem

\$19.50 each

Suspension Unit For Snap-In 400-Day Movement



Designed for snap-in Hermle 400-day quartz unit. Plastic blocks and fork.

No. 23339 **\$10.00 each**

Quartz Suspension Wires With Forks



Pre-assembled bronze wire with fixed-position fork (no top nor bottom block). Used in popular German 400-day quartz clocks. 2 assemblies per pack. Produced by original manufacturer of complete suspension units. See **page #155** for pictures of each assembly.

No. 29860 21-229 Hermle

No. 29861 21-229B Hermle

No. 29862 21-134 Hermle

No. 29863 21-237 Hermle

No. 29864 21-250 Hermle

No. 29865 21-251 Hermle

No. 29866 21-269 Hermle

No. 29867 21-270 18,7 Hermle

No. 29868 21-270 20,6 Hermle

No. 29869 21-283 0,35 Hermle

No. 29870 21-283 0,50 Hermle

No. 29871 53B Haller-Jauch

No. 29872 QP 10 Kern

No. 29873 QS 10 Kern

No. 29874 QM 10 Kern

No. 29875 820320 Blessing

No. 29876 820114 Blessing

No. 29877 820024 Blessing

No. 29878 301053 Schrenk

No. 29879 301181 Schrenk

No. 29880 314/79 Koma

No. 29881 HU 1119-13 Schmeckenbecker

No. 29882 400610 Hechinger

\$11.00 pack of 2

400-Day Suspension Units



Blocks and fork in place on Nivarox temperature compensating spring.

No. 10681 #1 Kundo Standard 49

No. 10682 #3A Kundo Standard 53

No. 10683 #3B Kundo Standard 54

No. 10684 #3C Kundo Standard 55

No. 10685 #5A Kundo Junior 53

No. 10686 #5B Kundo Junior 54

No. 10687 #5E Kundo Junior 56

No. 10688 #5F Kundo Midget 58

****No. 10689** #6789 Schatz Standard 49

****No. 10690** #10A Schatz Miniature 53

****No. 10691** .. #10B Schatz Miniature 1000-Day 54

****No. 10692** #10C Schatz Midget 57

No. 10693 #11A Kern Standard 50

No. 10694 #11B Kern Standard 54

No. 10695 #12C Kern Miniature 57

No. 10696 #12D Kern Miniature 58

No. 10697 #12E Kern Midget 58

No. 10737 #12F Kern Miniature 61

***No. 10698** #13B Koma Standard 52

***No. 10738** #13C Koma Standard 56

***No. 10699** #14A Koma Miniature 54

***No. 10700** #14B Koma Miniature 65

No. 10701 #16 Link Standard 52

No. 10739 #18C Peterson Standard 54

No. 10702 #20A Herr Standard 54

No. 10740 #20B Herr Standard 54

No. 10703 #23A Reiner Standard 53

No. 10704 #23B Reiner Standard 56

No. 10705 #25A Hermle Standard 53

No. 10706 #25B Hermle Miniature 54

No. 10707 #27A Herr Standard 53

No. 10708 #27B Herr Standard 55

No. 10709 #27C Neueck Standard 57

No. 10741 #28A Herr Miniature 55

No. 10710 #28B Herr Miniature 54

No. 10711 #28C Herr Miniature 56

No. 18788 29A Henn Miniature 52

No. 10713 #29B Henn Miniature 53

No. 10742 #31 Henn Standard 52

No. 10714 #32 Henn Standard 54

No. 10743 #33 Jauch-Haller 54

No. 11241 #34 Kaiser Standard 54

No. 11242 #35 Link Miniature 56

***No. 10716** #38A Koma Midget 57

No. 10733 #39 Haller Standard 57

No. 11244 #40B Crescent Standard 55

No. 11245 #41B Master Standard 55

No. 10718 #42A Haller Standard 73

No. 10719 #43A Haller Miniature 73

No. 10720 #44A Haller Midget 73

No. 11246 #45A Master Standard 70

No. 11247 #46A New Master 80 1000-Day

No. 11248 #47 Hermle Miniature 71

Works on Schatz Lectronic with modifications

No. 10721 48B Kundo Standard 73

No. 10722 49B Kundo Standard 73

No. 10745 50B Master Standard 75

No. 10724 52B Kundo Miniature 77

No. 11249 53B Hermle 75

No. 11250 54B Hermle 77

No. 11251 55 Kern Standard 75

No. 11252 56 Kern Miniature 75

No. 11253 57 Kern Standard 77

No. 11254 58 Kern Miniature 77

No. 11255 59 Kern Miniature 78

No. 10725 60B Master 75

No. 10726 61B Master 77

No. 10728 63B Kundo Miniature 76

No. 10731 66A Koma Miniature 80

No. 11954 67B Hermle 80

No. 11955 68B Hermle 83

\$25.00 each

*** \$31.00 each**

**** \$35.00 each**

Clock Parts: Springs, Suspensions & Rods

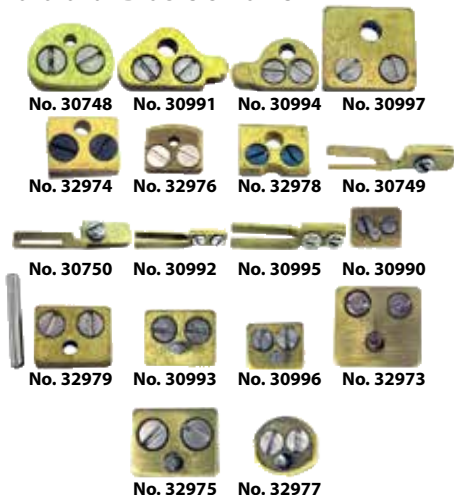
400-Day Suspension Block Screws



24 assorted. For suspension blocks and forks. Includes M1.2 and M1.7 flat and fillister heads.

No. 18408 \$14.00 pack

Horolovar Blocks & Forks



Replacement blocks and forks for 400 day clocks.

Top Blocks

No. 30748 Kundo Standard
No. 30991 Schatz Standard
No. 30994 Schatz Miniature
No. 30997 Herr Standard
No. 32974 Kern Standard
No. 32976 Koma Standard
No. 32978 Henn Mini Old Style for 28A, 29A, 29B

Forks

No. 30749 Kundo Standard
No. 30750 Kundo Miniature
No. 30992 Schatz Standard
No. 30995 Schatz Miniature

Bottom Blocks

No. 30990 Kundo Standard-Fixed Pin
No. 32979 Kundo Standard-Lose Pin
No. 30993 Schatz Standard
No. 30996 Schatz Miniature
No. 32973 Herr Standard
No. 32975 Kern Standard
No. 32977 Koma Standard
\$9.25 each \$27.00/ 3 (\$9.00)

Grivolos Lower Suspension Block



Exact brass copy. Limited supply.

No. 24672 \$24.50 each

Blocks & Fork Assortment



5+piece set. 1 fork, 2 top blocks and 2 bottom blocks for suspension units. India.

No. 30989 \$9.00 pack 98

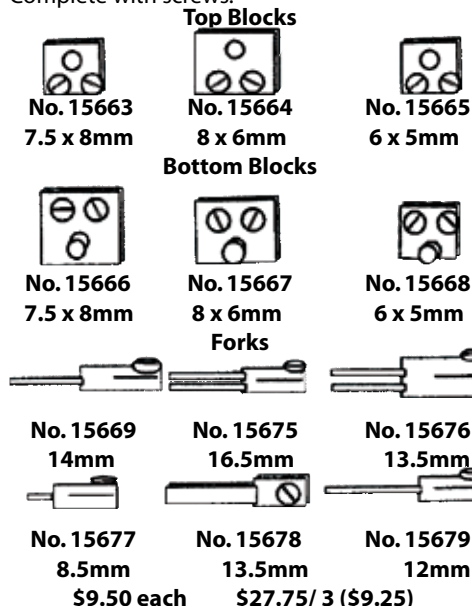
Suspension Forks & Blocks-Old Style



No. 32252 Fork 2 Prong 18.8mm long
No. 32253 Fork 2 Prong 15.0mm long
No. 32254 Top Block 6.0mm x 10.8mm
No. 32255 Top Block 5.10mm x 8.8mm
\$10.00 each \$29.25/ 3 (\$9.75)

400-Day Suspension Parts

Complete with screws.



Top & Bottom Block Assortment
 6 pieces. One of each top and bottom block.
No. 31065 \$54.50 pack

Fork Assortment
 6 pieces. One of each fork as shown above.
No. 31066 \$54.50 pack

400-Day Clock Best Setter



Makes micrometer adjustments to the suspension bracket. Instructions included.
No. 13532 \$28.50 each

400-Day Clock Suspension Jig



Makes assembly of 400-day suspension units easy. Adjustable from shortest to longest unit.
No. 23291 \$55.00 each

Suspension Spring Screw



M1.4 x 9.5mm. For Hermle and others.
No. 15796 \$3.00 each

Swinging Arm Jewel Bar For Junghans Clocks



Brass with jeweled inserts 1.365" (34.7mm) long. The distance between jewel centers is .720" (18.3mm). M2.5 thread.
No. 10817 \$18.00 each

Suspension Stud & Nut



Brass .790" long. #5-40 thread.
No. 12283 \$1.25 each

Suspension Bracket-Brass



1.3" wide x .520" tall.
No. 12302 \$2.00 each

Suspension Bridges- Cast Brass



1-1/2" wide x 3/4" tall. Finishing required.
No. 12718 Banjo \$7.50 each
 2-1/4" wide x 1-1/2" tall. Finishing required.
No. 12719 Grandfather \$13.00 each

Suspension Bridge-Tall Case



Machined brass. 2-3/4" W x 1-3/8" T. 1/4" ID mounting shaft. India.
No. 33898 \$13.50 each

Suspension Spring-Seth Thomas #2



	Inches	mm
Overall Length	1.228"	31.2
Width	.315"	8.0
Spring Thickness	.004"	0.102
Pin Center To Center	.875"	22.23
Chop Thickness	.058"	1.4

Made in Germany to exact Seth Thomas specifications. **Timesavers Exclusive!**
No. 32325 \$10.50 each

Suspension Spring & Leader Assemblies-Closeout



Brass tipped spring and brass leader. 101.6mm L x 5.0mm W (4" x 0.197"). 95.2mm (3-3/4") hole to pin. **Was \$16.00.**
No. 01670 #102 \$6.00 each



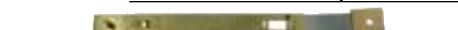
Plastic tipped spring and blackened steel leader. 50.8mm L x 5.0mm W (2" x 0.197"). 38.1mm (1-1/2") hole to pin. **Was \$14.00.**
No. 01671 #106 \$5.00 each



Brass tipped spring and blackened steel leader. 47.5mm L x 5.25mm W (1-7/8" x 0.206"). 41.3mm (1-5/8") hole to pin. **Was \$15.00.**
No. 01672 \$5.00 each



Brass tipped spring and brass leader. 47.5mm L x 5.25mm W (1-7/8" x 0.206"). 41.3mm (1-5/8") hole to pin. **Was \$15.00.**
No. 01673 \$5.00 each



Brass tipped spring and brass leader. 54mm L x 5.25mm W (2-1/8" x 0.206"). No pin. **Was \$15.00.**
No. 01674 \$5.00 each



Plastic tipped spring and blackened steel leader. 85.7mm L x 5.0mm W (3-3/8" x 0.197"). 79.3mm (3-1/8") hole to pin. **Was \$16.00.**
No. 01675 #101 \$6.00 each

Clock Parts: Springs, Suspensions & Rods

Plastic tipped spring and brass leader. 93mm L x 5.0mm W (3-11/16" x 0.197"). 88.7mm (3-1/2") hole to pin. **Was \$16.00.**

No. 01669 #108 **\$6.00 each**

Single End Suspension Spring



11.2mm wide x 44.0mm long .015mm thick.
No. 32911 **\$3.00 each**

Suspension Spring Assortment



12 most popular suspension springs.
No. 10419 **\$28.50 pack**

Suspension Spring Assortment-French & Mantel



10 assorted suspension springs.
No. 19722 **\$46.50 pack**

Suspension Spring Assortments-German Manufacturers



For specified manufacturers.
No. 19304 Hermle 10 Pcs. **\$45.00**
No. 19305 Kieninger 10 Pcs. **\$45.00**
No. 19306 Urgos 12 Pcs. **\$54.50**

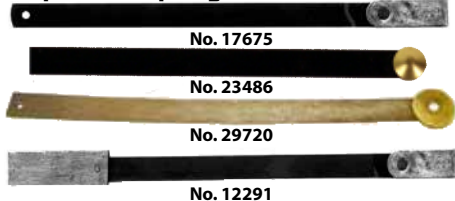
Ansonia & French Swinger Suspension Springs



5-piece set. 4 are .0625" wide and 1 is .125" wide.

No. 23409004" thick **\$5.00 set**
No. 23410007" thick **\$5.00 set**

Suspension Springs-Grandfather



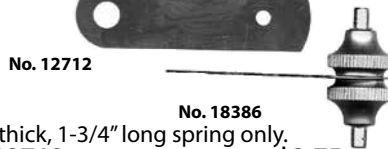
4-1/2" long with brass top.
No. 17675 **\$3.75 each**
5" long with brass top on one end.
No. 23486 **\$3.50 each**
.008" thick. 3-15/16" long.
No. 29720 **\$8.50 each**
2 brass ends, one has #6-32 thread. 5-3/8" long
No. 12291 **\$6.75 each**

Suspension Spring-Synchronome



Pre-drilled holes are .112" diameter for easy installation. 1/2" wide x 7/8" long x .0045" thick.
No. 24635 **\$16.00 each**

Suspension Bracket & Spring-Herschede



.006" thick, 1-3/4" long spring only.
No. 12712 **\$3.75 each**
Herschede Bracket & Spring
Exact copy in brass. Includes spring.
No. 18386 **\$8.25 each**

Suspension Spring Set-Type 36 Post Office



Pre-drilled 1/8" diameter holes. 1/4" wide x 1-1/4" long x .0095" thick. 2 pieces per set.
No. 24634 **\$16.00 set**

Clock Parts: Verges & Related

Pallet-Hermle #341-020-Closeout



Was \$20.00.
No. 01404 **\$10.00 each**

Pallet-Hermle #451 & #1151 Reg Beat (New Style)-Closeout



7/8" long post. 1-1/2" long arbor. 1-5/8" post to arbor. **Was \$22.00.**
No. 01626 **\$11.00 each**

Pallet Arbor-Hermle #261-030-Closeout



Was \$16.00.
No. 01403 **\$8.00 each**

Pallet Arbor-Urgos UW03-Closeout



Regular beat. 43.0mm long. **Was \$27.50.**
No. 01401 **\$13.50 each**

#2 Regulator Verge



Machined For Seth Thomas and other clocks. Ready for final finishing and polish.
No. 29949 **\$14.00 each**

Verge-Tall Case



For 30-hour tall case clocks. 80.0mm arbor.
No. 29721 **\$22.00 each**

Verge Casting-Grandfather



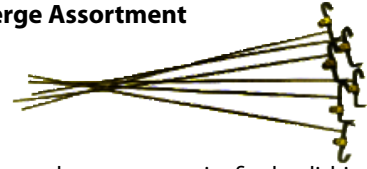
Ready to finish and polish.
No. 10538 **\$9.50 each**

Verges-Regula Cuckoo Movement



For Regula cuckoo movements.
No. 16614 1 Day (#25) **\$2.50 each**
No. 16615 8 Day (#34) **\$3.00 each**

Verge Assortment



12 popular verges require final polishing.
No. 12504 **\$34.00 pack**
9 piece assortment for American clocks. India.
No. 23768 **\$11.50 pack**

Verges-Between The Plate



No. 11516 Ansonia Kitchen
No. 11517 Ansonia School Front Mount Pendulum
No. 11518 Ansonia "A" Rear Mount Pendulum
No. 11519 Ansonia Large Movement **\$7.50 each**

Verge-Fits-All



Bend to desired shape, polish and harden. High carbon steel. Brass rod and saddle are riveted.

No. 12503 **\$4.50 each**

Verge Kit



3 brass rods, 3 saddles, 3 pallets and rivets. Pre-drilled and formed for easy assembly.
No. 12505 **\$8.75 kit**

Verge Strip



1-1/2" long x 3/16" wide x .050" thick. Carbon steel can be hardened.
No. 11268 **\$1.00 each**

Verge Pallet Assortment



Six assorted pallets. Can be used for inside and outside the plate verge assemblies. Not drilled for verge saddle or rod.
No. 11705 **\$10.00 pack**
99

Clock Parts: Verges & Related

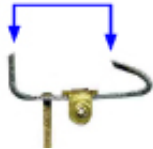
Verge Pallets



Hardened steel pallets with holes drilled for a brass rod and saddle, not included. The width is the distance between the tips of the pallets.

Part #	Width	Style	Price
No. 34102	.450"	2	\$3.00
No. 34103	.580"	2	\$3.00
No. 34104	.580"	1	\$3.00
No. 34105	.620"	1	\$3.00
No. 34106	.700"	1	\$3.00
No. 34107	.705"	2	\$3.00
No. 34108	.705"	1	\$3.00
No. 34109	.720"	2	\$3.00
No. 34110	.720"	1	\$3.00
No. 34111	.730"	2	\$3.00
No. 34112	.730"	1	\$3.00
No. 34113	.740"	2	\$3.00
No. 34114	.740"	1	\$3.00
No. 34115	.770"	1	\$3.00
No. 34116	.780"	2	\$3.00
No. 34117	.780"	1	\$3.00
No. 34118	.800"	2	\$3.00
No. 34119	1.00"	2	\$3.00
No. 34122	.665"	3 Right	\$3.00
No. 34121	.670"	3 Left (shown)	\$3.00
No. 34120	.720"	3 Right	\$3.00

How To Choose The Correct Verge



The width of the verge is the distance between the pallets tips. To find the correct verge, count the number of teeth on escape wheel and refer to the table below for the correct number of teeth the verge should embrace.

Number Of Teeth Escape Wheel	Number Of Teeth To Be Embraced
30 to 39	8
40 to 43	9
44 to 46	10

Measure the distance across the embraced teeth plus the distance between 2 teeth to get the closest verge measurement. Final adjustment may be required but note that continued adjustment will cause the verge to work harden and fracture.

Universal Verges

Tempered and polished. Example: 30T indicates 30 tooth escape wheel.



No. 12500

Ansonia School 34T
E.N. Welch 8-Day Shelf 29T
E.N. Welch 8-Day Kitchen 41T
Gilbert 8-Day Kitchen 41T
Ingraham 8-Day Shelf 42T
Ingraham 30 Hr. Kitchen 45T
Ithaca Calendar 36T
New Haven 8-Day Kitchen 37T
Sessions School 32T
S. Thomas 30 Hr. Shelf 48T
Waterbury 8-Day Kitchen 36T and 42T

E.N. Welch 30 Hr. Shelf T and S 34T
E.N. Welch Eclipse Cal. 34T
E.N. Welch School 32T
Gilbert 8-Day Shelf 42T
Ingraham 8-Day Kitchen 27T
Ingraham School 36T
Japanese School 32T
Sessions Regulator 34T
Sessions 8-Day Shelf 41T
Terry and Andrews 48T
Waterbury School 42T

No. 12500 \$6.00 each

100



No. 12501

Ansonia 30 Hr. Beehive 46T
Ansonia 8-Day Kitchen 46T
Birge and Mallory Strap Movt. 32T
C. Jerome 30 Hr. Steeple 35T
E.N. Welch School 32T and 39T
Gilbert Regulator 36T
Ingraham School 31T and 32T
Japanese School 33T
Sessions School 39T
Waterbury School 39T
Waterbury 8-Day Kitchen and Steeple 39T
Unmarked 8-Day Shelf 36T

Ansonia 30 Hr. Kitchen 32T
Ansonia Brass and Copper 39T
Canada Clock Co. School 39T
E.N. Welch 30 Hr. Shelf 39T and 34T
Gilbert 8-Day Shelf 39T and 36T
G.B. Owens 8-Day Shelf 39T
Ithaca Calendar 34T and 39T
New Haven Mantel 45T
Waterbury Cal. School 34T and 44T
Waterbury 30 Hr. Kitchen 50T
Unmarked Kitchen Movt. 33T

No. 12501 \$6.00 each



No. 12502

Ansonia 30 Hr. OG 42T
Jerome Bank Regulator 38T
Johnson 30 Hr. OG 42T
New Haven School 39T
New Haven School 41T
S. Thomas 8-Day Shelf 40T
Terry and Andrews Lyre Movt. 42T
Unmarked 8-Day X-Large Movt. 45T

E.N. Welch 30 Hr. OG 42T
Jerome 30 Hr. OG 42T
New Haven 30 Hr. OG 42T
New Haven School 31T
New Haven Regulator 42T
S. Thomas 30 Hr. OG 42T
Waterbury 30 Hr. OG 42T
Unmarked 30 Hr. OG 42T

No. 12502 \$6.00 each



Half dead beat for E. N. Welch, Ingraham, and Ithaca. .720" width between pallet tips

No. 32316 \$6.00 each

Verges



Formed and hardened steel verges are complete with 7.40" brass rods and saddles riveted in place. The width is the distance between the tips of the pallets.

Part #	Width	Style	Price
No. 01474	.450"	2	\$6.00
No. 33369	.580"	2	\$6.00
No. 33363	.580"	1	\$6.00
No. 34123	.620"	1	\$6.00
No. 34124	.700"	1	\$6.00
No. 34125	.705"	2	\$6.00
No. 34126	.705"	1	\$6.00
No. 33393	.720"	2	\$6.00
No. 12500	.720"	1	\$6.00
No. 34127	.730"	2	\$6.00
No. 34128	.730"	1	\$6.00
No. 34129	.740"	2	\$6.00
No. 12501	.740"	1	\$6.00
No. 34130	.770"	1	\$6.00
No. 12502	.780"	2	\$6.00
No. 34131	.780"	1	\$6.00
No. 33288	.800"	2	\$6.00
No. 33395	.1.00"	2	\$6.00
No. 34134	.665"	3 Right	\$6.00
No. 34133	.670"	3 Left (shown)	\$6.00
No. 34132	.720"	3 Right	\$6.00

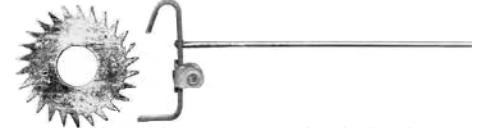
Verge & Escape Wheel



Cast verge requires final finishing. 30-tooth brass escape wheel is 45.5mm diameter.

No. 31041 \$22.00 set

Verge & Escape Wheel Sets



Verge and matching escape wheel. The design of the verge and escape wheel may vary.

No. 11627	26 Teeth	\$9.25 set
No. 11628	27 Teeth	\$9.25 set
No. 11631	30 Teeth	\$9.25 set
No. 11633	32 Teeth	\$9.25 set
No. 11634	33 Teeth	\$9.25 set
No. 11635	34 Teeth	\$9.25 set
No. 11636	35 Teeth	\$9.25 set
No. 11637	36 Teeth	\$9.25 set
No. 11638	37 Teeth	\$9.25 set
No. 11639	38 Teeth	\$9.25 set
No. 11640	39 Teeth	\$9.25 set
No. 11641	40 Teeth	\$9.25 set
No. 11642	41 Teeth	\$9.25 set
No. 11643	42 Teeth	\$9.25 set
No. 11645	44 Teeth	\$9.25 set
No. 11647	46 Teeth	\$9.25 set
No. 11649	48 Teeth	\$9.25 set
No. 11651	50 Teeth	\$9.25 set

Verge Pin Plates



Brass pin plates with steel pins.

No. 12284 Old Style \$1.00 each
No. 12369 New Style \$1.00 each

Verge Pin Plates



No. 12282 Formed Brass \$1.00 each
No. 12368 Bend Wire To Fit \$1.00 each

Verge Pin Plates



Formed and pre-drilled brass.

No. 12281 \$1.00 each

Verge Gauge-Hulsey's



Checks the verge angle. Instructions included.

No. 13836 \$9.50 each

Verge Adjuster



Handy tool for making adjustments to strap type verges. Instructions included.

No. 22941 \$59.50 each

Clock Parts: Weather Instruments

Thermometer-Kitchen Clock



Decorative, non-functional thermometer with red tube mounted on an embossed brass plate 1" x 5-1/16". With mounting screws.

No. 32990 \$12.50 each

Weather Instruments



Brass bezels and dials with Plexiglas crystals. 2-3/16" movement diameter with maximum case depth of 3/4". France.

2-3/4" Bezel Diameter

No. 16606 Thermometer **\$11.00**
No. 16607 Hygrometer **\$11.00**
No. 16608 Barometer **\$17.00**

Clock Parts: Weights & Related

Decorative Aluminum Weight Shells



Brass finished aluminum shell with horizontal grooves on body. Includes center rod, top hook and bottom nib. China.

No. 32683 . 32mm x 103mm (1-1/4" x 4-1/16")
\$5.00 each

Decorative Aluminum Weight Shells

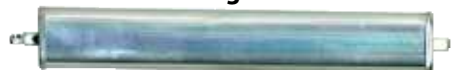


Same as above but polished brass finished aluminum. No body grooves.

No. 32684 32mm x 150mm (1-1/4" x 5-7/8")
\$5.50 each

No. 32685 42mm x 195mm (1-5/8" x 7-11/16")
\$8.00 each

Silver Finished Weight Shells



Polished silver finish on aluminum.

No. 33722 32mm x 150mm (1-1/4" x 5-7/8") **\$6.00**
No. 32682 32mm x 195mm (1-1/4" x 7-11/16") **\$7.50**

Decorative Etched Brass Finished Aluminum Shells



Etched brass finished aluminum. With center rod, top hook, and bottom nib. China.

No. 32681 32mm x 195mm (1-1/4" x 7-11/16") **\$7.00**
No. 32679 42mm x 195mm (1-5/8" x 7-11/16") **\$8.00**

Weight Shell Memory Rings-Brass



Heavy solid brass rings fit over standard 60mm (2-3/8") diameter weight shells. Can be engraved with dates, events, messages, etc. 1-3/4" tall with a 7/8" tall engraving surface.

No. 32970 Polished Brass **\$10.00 each**
No. 32971 Brushed Brass **\$10.00 each**

Domed Weight Shell End Cap-Brass



No. 29308 Fits 60mm Shells **\$4.50 each**

Weight Shell Straight Edge End Caps



Polished brass.

Cap Dia. Fits Shell Dia.

No. 23787 1-3/8" Dia. (32mm) **\$3.00**

No. 29397 1-21/32" Dia. (42mm) **\$3.00**

No. 29556 1-7/8" Dia. (48mm) **\$3.00**

No. 19579 2-3/8" Dia. (60mm) **\$3.00**

Brushed brass.

No. 23854 1-5/8" Dia. (40mm) **\$3.00**

No. 23855 2-3/8" Dia. (60mm) **\$3.00**

Weight Shell Round Edge End Caps



Brass finished stainless. 6.0mm center hole.

No. 32658 Fits 38mm Weight Shells **\$3.00**

No. 32659 Fits 48mm Weight Shells **\$3.00**

2-3/8" diameter to fit 60mm diameter shells.

No. 29557 ... Polished Brass **\$3.00 each**

No. 29558 Brushed Brass **\$3.00 each**

Aluminum Straight Edge End Caps



Polished brass finish on aluminum.

No. 32661 . Fits 32mm Shells (3.5mm hole)

No. 32662 . Fits 40mm Shells (3.5mm hole)

Yellowish brass finish on aluminum:

No. 32664 . Fits 32mm Shells (3.0mm hole)

No. 32665 . Fits 40mm Shells (3.0mm hole)

\$2.50 each

Dark bronze finish on aluminum to fit 58mm weight shells. With 6.0mm center hole.

No. 32660 **\$3.00 each**

Rods-Weight Shell



No. 32572 M2.5 Thread 7-7/8" **\$1.00**

No. 32573 M2.5 Thread 9-27/32" **\$1.50**

No. 32574 M3.0 Thread 9-27/32" **\$2.00**

No. 15705 M4 Thread 9-1/2" **\$3.50**

No. 15706 M4 Thread 9-27/32" **\$3.50**

No. 32956 M4 Thread 11-5/16" **\$3.75**

No. 11716 M4 Thread 12-11/16" **\$3.50**

No. 30438 M4 Thread 14-3/16" **\$4.50**

No. 10060 M5 Thread 9-1/2" **\$3.00**

Weight Fillers-Lead



4-1/2 lbs. Grandmother lead filler.

No. 13933 ... 1-1/2"D x 6-3/8"L **\$28.50**

3-3/4 lbs. Vienna lead filler.

No. 13907 . 1-5/8"D x 4-5/16"L **\$22.00**

5 lbs. #2 Regulator lead filler.

No. 13908 ... 1-5/8"D x 5-7/8"L **\$25.00**

6-1/4 lbs. #3 Regulator lead filler.

No. 22662 ... 1-3/4"D x 5-7/8"L **\$31.00**

7-1/2 lbs. Grandfather lead filler.

No. 13932 .. 2-1/4"D x 4-5/8"L **\$40.00**

9.9 lbs. Grandfather lead filler.

No. 13934 .. 2-1/4"D x 6-3/8"L **\$49.50**

Lead Weight Fillers



Part #	Filler Diameter	Fits Shell Diameter	Filler Height
1/2 lb. Round Lead Fillers			
No. 23576	38.0mm	40mm	3/4"
No. 23577	41.4mm	45mm	5/8"
No. 23578	48.4mm	50mm	1/2"
No. 23579	54.0mm	60mm	3/8"
\$3.75 each		\$10.50/3 (\$3.50)	
1 lb. Round Lead Fillers			
No. 26006	38.0mm	40mm	1-9/16"
No. 26007	41.4mm	45mm	1-3/8"
No. 26008	48.4mm	50mm	7/8"
No. 26009	54.0mm	60mm	3/4"
\$7.00 each		\$20.25/3 (\$6.75)	

Fillers to fit 2-3/8" (60mm) weight shell.

No. 26022 2 lbs. 1-9/16"H **\$11.00**

No. 26003 3 lbs. 2-3/8"H **\$15.50**

No. 26004 4 lbs. 3-7/16"H **\$19.00**

No. 26005 5 lbs. 4"H **\$22.50**

No. 26023 6 lbs. 4-7/8"H **\$27.00**

Early American Tall Case Tin Weight Shells



Tin shells with a wood plug top and cotter key hook. Fillers not included.

No. 23596 . 2-1/8" Dia. 6-3/4" Height **\$12.50 each**

No. 23597 . 2-1/2" Dia. 6-7/8" Height **\$12.50 each**

Weight Assembly-#2 Regulator



Brass shell with lead insert. 6-1/4" long x 1-3/4" diameter. 5 pounds. Ready to polish.

No. 13903 **\$53.50 each**

#2 Regulator Weight Shell Only

No. 13924 **\$31.00 each**

#2 Regulator Lead Filler-5 Lbs.

No. 13908 1-5/8"D x 5-7/8"L **\$25.00**

Vienna Weight With Lead



Brass shell with lead insert. 4-1/2" long x 1-3/4" diameter. 3-3/4 pounds. Ready to polish.

No. 13900 **\$37.00 each**

Vienna Shell Only

No. 13904 **\$16.50 each**

Lead Weight Filler-3-3/4 Lbs.

No. 13907 1-5/8" x 4-5/16" **\$22.00**

Vienna Weights-Lead Filled



Brass shells with lead fillers and top hook. Polishing required.

No. 22823 1-1/2" x 3" 2 lb **\$27.00**

No. 22824 1-1/2 x 3-1/2" 2-1/4 lb **\$28.00**

No. 19946 1-1/2" x 4" 2-3/4 lb **\$29.50**

No. 19947 1-5/8" x 4-1/4" 3-1/2 lb **\$30.50**

No. 19948 1-3/4" x 4-1/2" 4-1/4 lb **\$31.50**

No. 22858 1-3/4" x 6-1/4" 5-1/2 lb **\$38.00**

No. 22853 2" x 6-1/4" 7 lb **\$48.50**

Clock Parts: Weight Shells & Weight Shell Assemblies



Banded Brass Finish



Brushed Brass Finish



Etched Brass Finish



Polished Brass Finish



Domed Polished Brass Finish



Brushed Silver Finish



Straight Edge Caps



Round Edge Caps



Domed Caps

**Largest Selection
In The Industry!**

Clock Parts: Weight Shells Only

Each weight shell includes a threaded center rod, two end caps, top hook and bottom nib. Shells have a 1.0mm wall thickness. All are plated stainless steel tubes. Weight fillers are not included.

Part #	OD x Length (MM)	OD x Length (Inches)	Features	Price Each
Banded Brass				
No. 32749	42mm x 232mm	1-5/8" x 9-1/8"	Straight edge caps	\$18.50
No. 32678	48mm x 225mm	1-7/8" x 8-7/8"	Round edge caps	\$22.50
No. 29402	60mm x 245mm	2-3/8" x 9-5/8"	Round edge caps	\$24.00
No. 32750	60mm x 280mm	2-3/8" x 11"	Straight edge caps	\$29.50
Brushed Brass				
No. 32129	60mm x 245mm	2-3/8" x 9-5/8"	Straight edge caps	\$34.00
Etched Brass				
No. 32126	48mm x 225mm	1-7/8" x 8-7/8"	Straight edge caps	\$31.00
No. 32677	48mm x 225mm	1-7/8" x 8-7/8"	Round edge caps	\$31.00
No. 32746	48mm x 245mm	1-7/8" x 9-5/8"	Straight edge caps	\$36.00
No. 32747	48mm x 280mm	1-7/8" x 11"	Round edge caps	\$42.00
No. 32674	51mm x 245mm	2" x 9-5/8"	Round edge caps	\$28.00
No. 32127	60mm x 245mm	2-3/8" x 9-5/8"	Straight edge caps	\$35.00
No. 32669	61mm x 245mm	2-3/8" x 9-5/8"	Round edge caps	\$36.00
Polished Brass				
No. 29543	32mm x 135mm	1-1/4" x 5-5/16"	Straight edge caps	\$13.00
No. 23900	32mm x 220mm	1-1/4" x 8-5/8"	Straight edge caps	\$14.00
No. 32680	38mm x 235mm	1-1/2" x 9-1/4"	Round edge caps	\$17.50
No. 13931	42mm x 232mm	1-5/8" x 9-1/8"	Straight edge caps	\$16.50
No. 32741	42mm x 264mm	1-5/8" x 10-3/16"	Straight edge caps	\$18.00
No. 32742	48mm x 140mm	1-7/8" x 5-9/16"	Straight edge caps	\$16.00
No. 32744	48mm x 225mm	1-7/8" x 8-7/8"	Straight edge caps	\$17.00
No. 32745	48mm x 232mm	1-7/8" x 9-1/8"	Straight edge caps	\$19.00
No. 23558	48mm x 245mm	1-7/8" x 9-5/8"	Round edge caps	\$20.00
No. 29403	48mm x 280mm	1-7/8" x 11"	Round edge caps	\$20.50
No. 32673	51mm x 245mm	2" x 9-5/8"	Round edge caps	\$20.50
No. 13930	60mm x 245mm	2-3/8" x 9-5/8"	Round edge caps	\$21.00
No. 13930	60mm x 245mm	2-3/8" x 9-5/8"	Round edge caps	\$21.00
No. 29544	60mm x 280mm	2-3/8" x 11"	Round edge caps	\$22.00
Polished Brass				
No. 18222	60mm x 310mm	2-3/8" x 12-3/16"	Domed end caps	\$32.00
No. 29545	60mm x 350mm	2-3/8" x 13-13/16"	Domed end caps	\$33.00
Brushed Silver				
No. 29401	60mm x 245mm	2-3/8" x 9-5/8"	Straight edge caps	\$23.00

Clock Parts: Weight Shell Assemblies

Each weight shell assembly includes a threaded center rod, two end caps, top hook, bottom nib and weight filler as indicated.

Part #	Weight (lbs.)	Price Each
No. 32763	4-1/2	\$44.00
No. 32764	4-1/2	\$48.50
No. 29404	7-1/2	\$60.00
No. 32766	7-1/2	\$64.50
No. 32157	7-1/2	\$69.50
No. 32158	4-1/2	\$54.50
No. 32757	4-1/2	\$54.50
No. 32758	4-1/2	\$57.50
No. 32759	4-1/2	\$63.50
No. 32760	4-1/2	\$54.00
No. 32159	7-1/2	\$69.50
No. 32762	7-1/2	\$69.50
N/A	-	-
N/A	-	-
N/A	-	-
No. 13929	4-1/2	\$42.00
No. 32768	4-1/2	\$42.50
No. 32769	3-3/4	\$36.00
No. 32771	4-1/2	\$42.50
No. 32773	4-1/2	\$44.50
No. 23659	4-1/2	\$46.00
No. 13771	4-1/2	\$47.00
No. 32774	4-1/2	\$47.00
No. 13928	7-1/2	\$60.00
No. 13935	9.9	\$66.00
No. 13796	7-1/2	\$61.00
No. 18221	7-1/2	\$65.00
No. 14603	7-1/2	\$67.50
No. 29400	7-1/2	\$60.00

Clock Parts: Weights & Related

Weights-Lux & Keebler



Weights-German Novelty



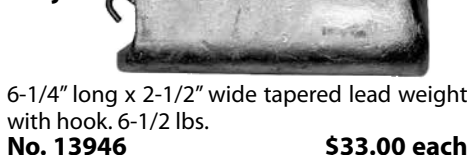
Weights-Cuckoo Clock



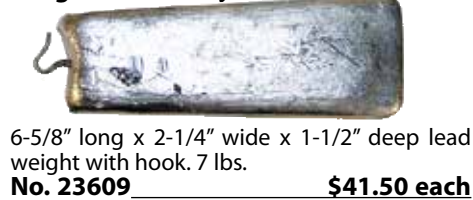
Wood Cuckoo Weights



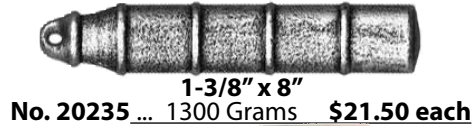
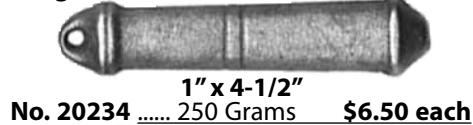
Weight-Banjo



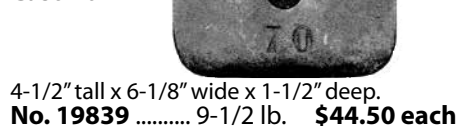
Weight-Willard Style



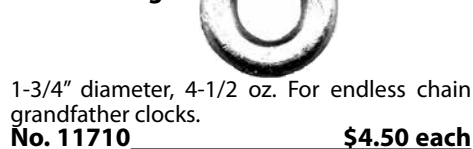
Weights-Cast Iron



Weight-Howard #70-Cast Iron



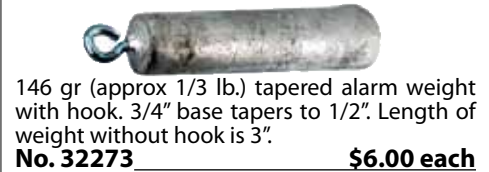
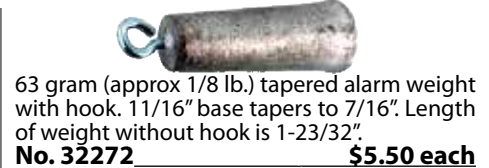
Lead Counterweight



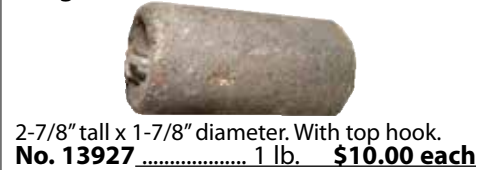
Weight-Morbier-Cast Iron



Morbier & Black Forest Weights



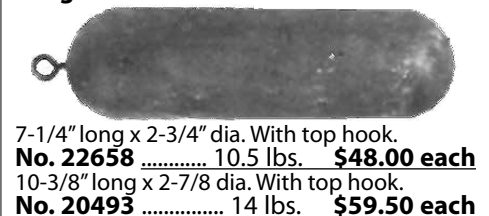
Weight-"OG" Alarm-Cast Iron



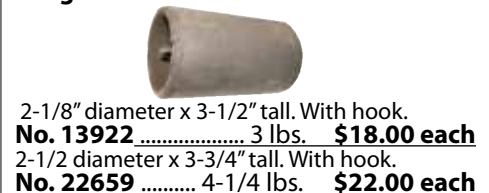
Weight-30-Hour Tall Case-Cast Iron



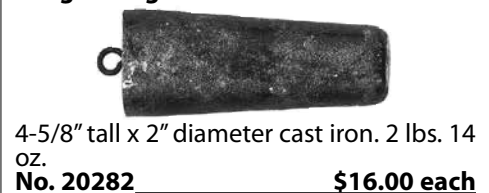
Weight-Tall Case-Cast Iron



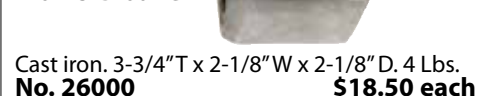
Weight-30-Hour-Cast Iron



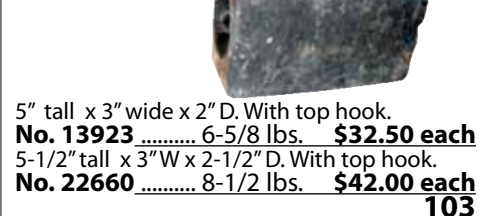
Weight-Wag On The Wall-Cast Iron



Weight-Wood Works Groaner



Weight-8-Day-Cast Iron



Clock Parts: Weights & Related

Zaandam Weights- Gold Painted



No. 26010 380 grams **\$15.50 each**
No. 18282 1000 grams **\$28.00 each**

Weight Bag

Weights
Not
Included



**Timesavers
Exclusive!**

Durable partitioned canvas bag. Carries 3 weights up to 2-3/4" diameter. 8-3/4" deep so long weights will not fall out. 15" W x 16-1/2" T. 12" straps. Room for small parts and tools.

No. 13801 **\$33.50 each**

Weight Hooks



Brass weight hooks.

No. 12184 #8-32 5/8" Vienna **\$2.75**
No. 12379 7/8" With Screw **\$3.00**
No. 12188 7/8" With Screw **\$3.25**

Kieninger Weight Hook & Nib



Brass. M4 threads.

No. 22952 Hook **\$3.00 each**
No. 22966 Nib **\$1.50 each**

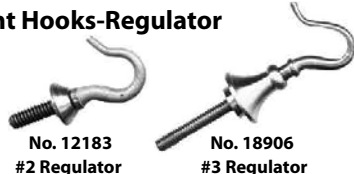
Grandfather Weight Nib



Brass. #8-32 thread.

No. 12187 **\$2.00 each**

Weight Hooks-Regulator



Brass hook and washer. #5-40 thread

No. 12183 1" **\$4.00 each**
No. 18906 2-1/8" **\$6.00 each**

Weight Hooks For Cast Iron Weights



Use securely with threaded inserts.

No. 32914 #6-32 Thread Small **\$1.00**
No. 32915 #8-32 Thread Medium **\$1.00**
No. 32981 #8-32 Thread Large **\$1.00**

Machine Screw/Wood Screw



1" long with 3/8" long #8-32 machine screw thread on one end that goes into a tapped hole. #8 wood screw thread on the other goes into wood. Unfinished steel. 2 piece pack.

No. 29535 **\$1.50 pack**
104

Weight Hook-Tall Case



1-5/8" steel with #10-32 thread.

No. 18391 **\$2.00 each**

Weight Hooks & Nibs



No. 11679 No. 20117 No. 11680 No. 17686 No. 20404 No. 17687
No. 32357 No. 32358 No. 23811 No. 32355 No. 23812
No. 32115 No. 32701 No. 32116
No. 33971 No. 32356
No. 33983 No. 32702
No. 33982
No. 33984

Note: Styles may vary slightly.

Gold finished aluminum. M2.5 internal threads.

No. 32355 5/8" Loop **\$1.00 each**
No. 32356 5/16" Nib **75¢ each**

Gold finished aluminum. M3 internal threads.

No. 32701 11/16" Loop **\$1.00 each**
No. 32702 5/16" Nib **75¢ each**

Brass with M3 internal threads.

No. 33983 11/16" Hook **\$1.75 each**
No. 33984 5/16" Nib **\$1.50 each**

Brass with M4 internal threads.

No. 17686 5/8" Hook **\$1.75 each**
No. 20404 5/8" Loop **\$2.50 each**
No. 17687 5/16" Nib **\$1.50 each**

Silver finish with M4 internal threads.

No. 32115 5/8" Hook **\$2.50 each**
No. 32116 5/16" Nib **\$2.00 each**

Brass with M5 external threads. For Hermle and other shells.

No. 11679 15/16" Hook **\$1.75 each**
No. 20117 5/8" Loop **\$2.50 each**
No. 11680 1/2" Nib **\$1.50 each**

Brass with M5 internal threads.

No. 23811 5/8" Hook **\$1.75 each**
No. 23812 5/16" Nib **\$1.50 each**

Brass with M6 internal threads.

No. 33971 5/8" Hook **\$2.00 each**
No. 33982 5/16" Nib **\$1.75 each**

Brass with M6 external threads.

No. 32357 1" Hook **\$2.00 each**
No. 32358 5/16" Nib **\$1.75 each**

Cuckoo Chain Hook-Old Style



7/8" tall old style formed steel weight hook.

No. 30983 **\$2.25 each**

Weight Hook Repair Kit



Drill a 5/16" hole in the end of a lead filled weight, insert the octagonal fitting, install brass disc, then screw in the brass hook.

No. 20750 1-1/2" Disc **\$5.00 set**
No. 20751 1-5/8" Disc **\$5.00 set**
No. 20752 1-3/4" Disc **\$5.00 set**
No. 33062 2" Disc **\$5.00 set**
No. 33063 2-1/4" Disc **\$5.00 set**

Weight Shell Sock



Expandable. Protects during transporting.

No. 23120 **\$1.50 each**

Clock Parts: Wheels, Gears & Cams

Urgos UW-32 Time Cable Drum



Includes cable, cable guard, drum and ratchet.
No. 33138 **\$22.50 each**

Winding Drums With Arbors-Closeout



Unidentified but likely used on small Vienna style German movements. Manufacturer's part numbers shown. Both measure 40.25mm diameter. 78-tooth wheel x 43mm arbor. **Was \$25.00.**

No. 01555 K-075037 **\$8.00 each**
No. 01556 K-075049/50 **\$8.00 each**

Urgos UW-32 Strike Cable Drum



Includes cable, cable guard, drum and ratchet.
No. 33139 **\$25.00 each**

Urgos UW-32 Chime Cable Drum



Includes cable, cable guard, drum and ratchet.
No. 33140 **\$22.50 each**

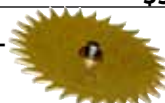
Actuating Wheel- Hammer & Bellows



Lifts the hammer and the bellows lift levers. Complete with set screw.

No. 20764 **\$3.50 each**

Calendar Wheel- Grandfather



Brass. 31 tooth. 40.0mm diameter. Used behind dial on tall case clocks. 8.7mm long arbor.
No. 12734 **\$11.00 each**

Calendar Wheel-31 Day



Brass. 31 teeth. Can shorten. 35.0mm dia.
No. 10851 **\$6.50 each**

Cam Gear- Regula



Strike actuating cam gear for 1 day and 8 day Regula cuckoo movements.

No. 20917 **\$3.00 each**

Cam Gear- Chime Release



Fits Hermle movements.

No. 19835 **\$3.00 each**

Center Wheel- Urgos UW21- Closeout



41.5mm diameter 70-tooth wheel. 106mm arbor. 10-tooth pinion. **Was \$18.50.**

No. 01335 **\$7.50 each**

Clock Parts: Wheels, Gears & Cams

Count Wheel



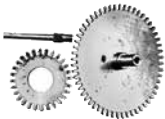
Brass spoked 2-9/16" diameter wheel.
No. 11506 **\$6.50 each**

Count Wheel Retainer-Brass



No. 11503 **\$1.00 each**

Drive Wheel-Brass Calendar



Advances the calendar wheel by means of a steel pin. 48mm diameter.
No. 12735 **\$15.00 each**

Drive Wheels-Regula



Plastic. Used on time side ratchet wheels on Regula #25 movements.
No. 20921 **75¢ each**
Used on 1 day and 8 day Regula center shafts.
No. 20920 **75¢ each**

Escape Wheel & Hub-Tall Case



30 tooth wheel, 1.78" (45.4mm) diameter.
No. 18387 **\$11.00 each**

Escape Wheel-Brass



	Wheel Dia.	# Of Teeth	
No. 11525	27mm	27	\$5.75
No. 10820	30mm	30	\$5.75
No. 10821	30mm	31	\$5.75
No. 10822	30mm	32	\$5.75
No. 10824	33.5mm	34	\$5.75
No. 10825	32mm	35	\$5.75
No. 10826	32mm	36	\$5.75
No. 10827	35mm	37	\$5.75
No. 10828	32mm	38	\$5.75
No. 10829	32mm	39	\$5.75
No. 10830	32mm	40	\$5.75
No. 10831	33mm	41	\$5.75
No. 10832	34mm	42	\$5.75
No. 11527	34mm	46	\$5.75
No. 11529	34mm	48	\$5.75
No. 11531	34mm	50	\$5.75

Escape Wheel-#2 Regulator-Brass



40 tooth wheel, 1-11/16" (43.0mm) diameter.
No. 10461 **\$9.50 each**

Escape Wheels-Regula



Brass cuckoo wheels with steel cut pinions.
No. 20772 #25 1 Day **\$4.00**
No. 20773 #34 8 Day W/Dancers **\$4.00**
No. 20774 #34 8 Day W/O Dancers **\$4.00**

Escape Wheel-Schatz #49-Closeout



Escape wheel for Schatz #49 (Part #49-11).
Was \$12.00. While supplies last.
No. 00264 **\$4.00 each**

Escape Wheel Assemblies-Urgos



Urgos 30 tooth wheels mounted on arbors. For current production Urgos movements.
No. 32895 For UW32 **\$16.00 each**
No. 32896 For UW03 **\$18.00 each**

Escape Wheel



30-tooth. For tall case 30-hour movements.
41.5mm OD x 6.5mm ID x 1.7mm thick.
No. 29705 **\$5.50 each**

Escape Wheel Bridge-Brass



Drilled and bent to shape. 1-1/2" long.
No. 11504 **\$1.50 each**

Hour Wheel-Urgos UW21-Closeout



29mm diameter 70-tooth wheel. 2-1/4" overall length. **Was \$18.00.**
No. 01333 **\$7.50 each**

Main Wheel



Brass. 2-13/16" diameter with 84 teeth.
No. 11507 **\$6.50 each**

Moon Drive Gears-Hermle



Brass.
No. 19833 20 Teeth 7.5mm Hole **\$6.00**
No. 19827 20 Teeth 5.0mm Hole **\$5.00**
No. 19826 30 Teeth 5.0mm Hole **\$5.00**

Moon Gears-Kieninger



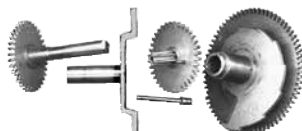
No. 20905 Brass gear with collet and set screw. 30 teeth.
No. 20905 21.5mm OD x 6.5mm ID **\$9.00**
No. 20906 ... 21.5mm OD x 4.5mm ID **\$12.50**

UW32 Moon Gear-Urgos



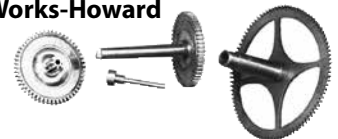
Brass 40-tooth gear with adjusting screw.
No. 00633 19.5mm OD x 5.0mm ID **\$9.00**
No. 01350 19.5mm OD x 7.5mm ID **\$9.00**

Motion Works-Grandfather



Brass universal 5-piece set.
No. 19572 **\$43.50 set**

Motion Works-Howard #5 & #70



Interchanges with the originals. Includes the intermediate wheel post. 4-piece set.
No. 14335 **\$25.50 set**

Motion Works-Willard Style



4 piece set.
No. 20753 **\$25.50 set**

Second Wheels-Hermle



For Hermle movements.
#340-020
29.0mm Dia. x 36.3mm long.
No. 14383 Strike 2nd Wheel
30.2mm Dia. x 36.3mm long.
No. 14384 Time 2nd Wheel
31.0mm Dia. x 36.3mm long.
No. 14385 Chime 2nd Wheel
#350-020, 1050-020, 350-060
351-020, 351-030A, 351-051, 1052-020
29.0mm Dia. x 36.3mm long.
No. 11670 Strike 2nd Wheel
31.0mm Dia. x 36.3mm long.
No. 14385 Chime 2nd Wheel
#350-020, 1050-020, 350-060
351-020, 351-030A, 351-051, 1052-020
40.0mm Dia. x 36.3mm long.
No. 11671 Time 2nd Wheel
\$12.50 each

Ratchet Wheel-Fusee



Brass. 15 teeth. 3.2mm thick. 5mm I.D.
No. 23478 22mm OD **\$7.50 each**
No. 23479 26mm OD **\$9.00 each**

Ratchet Wheel-Carriage Clock



Brass. 14 tooth. 10mm OD x 1.8mm thick.
3mm square mounting hole.
No. 29707 **\$3.50 each**

Ratchet Wheels-Brass



When selecting a ratchet wheel keep in mind the number of teeth is not critical. No. 19844 thru No. 19848 are 2mm thick. No. 19849 thru No. 19852 are 3mm thick.

	OD	Sq. Hole	# Of Teeth
No. 19844	12mm	2mm	16
No. 19845	13mm	2mm	14
No. 19846	14mm	3mm	18
No. 19847	15mm	3mm	18
No. 19848	16mm	3mm	18
No. 19849	17mm	3mm	20
No. 19850	18mm	3mm	20
No. 19851	19mm	3mm	21
No. 19852	20mm	3mm	22

\$4.50 each \$12.75/ 3 (\$4.25)

Ratchet Type Chain Wheels

These new/old stock obsolete wheels are used on a variety of cuckoo, wall and hall clocks.

NEW

Special Buy

Regularly

\$8.00 to

\$10.00 each



Part #	No. 33642	No. 33631	No. 33643	No. 33629	No. 33635	No.33638
Brass wheel dia.	32.5mm	33.0mm	33.0mm	35.0mm	35.0mm	35.0mm
Number of teeth	63	64	64	66	68	66
Length of arbor	26.0mm	31.0mm	23.0mm	39.5mm	26.5mm	27.5mm
Price	\$5.00 each	\$4.50 each	\$5.00 each	\$4.50 each	\$5.00 each	\$4.50 each

Special Buy

Regularly

\$8.00 to

\$10.00 each



Part #	No. 33644	No. 33633	No. 33639	No. 33645	No. 33637	No. 33632	No.33630
Brass wheel dia.	35.0mm	35.0mm	35.0mm	35.0mm	36.0mm	37.0mm	37.0mm
Number of teeth	66	68	66	66	64	72	72
Length of arbor	27.5mm	26.5mm	27.5mm	39.5mm	32.5mm	27.5mm	27.5mm
Price	\$5.00 each	\$4.50 each	\$4.50 each	\$4.50 each	\$5.00 each	\$5.00 each	\$5.00 each

Special Buy

Regularly

\$8.00 to

\$10.00 each



Part #	No. 33636	No. 33640	No. 33632	No. 33641
Brass wheel dia.	37.0mm	37.0mm	37.0mm	38.0mm
Number of teeth	60	72	72	76
Length of arbor	29.0mm	29.0mm	27.5mm	29.0mm
Price	\$5.00 each	\$4.50 each	\$5.00 each	\$4.50 each



Chain Gears For German Movements

As viewed from the front (as shown in image), these wind either clockwise (CW) or counter clockwise (CCW). Germany.

Special buy

Regularly

\$25.00 each



Part #	No. 00644	No. 00645	No. 00647	No. 00648	No.00650	No. 00651
Brass wheel dia.	51mm	51mm	51mm	51mm	39.5mm	39.5mm
Ratchet OD	40.0mm	40.0mm	40.0mm	46.0mm	25.0mm	25.0mm
Direction of wind	CCW	CW	CW	CCW	CCW	CW
Price	\$12.00 each	\$12.00 each	\$12.00 each	\$12.00 each	\$12.00 each	\$12.00 each

**Limited
Quantities.
While
Supplies
Last.**

Clock Gears, Intermediate Wheels & Ratchet Wheels



Ratchet Wheel Style 1



Intermediate Wheel Style 2



Intermediate Wheel With Arbor Style 3



Ratchet Wheel Style 4

Most are made of hard brass, except as noted. Some are plated as indicated. Remember when selecting a ratchet wheel, the number of teeth is not critical. **Regularly \$6.00 – \$25.00 each.**

Part #	OD	Thickness	# Of Teeth	Mounting Hole	Material	Style	Price
No. 00743	22.25mm	2.5mm	22	4.8mm Square	Brass	2	\$10.00
No. 00741	23.0mm	3.0mm	24	4.0mm Square	Brass	2	\$10.00
No. 00740	26.0mm	3.0mm	22	4.5mm Square	Brass	2	\$11.00
No. 00736	31.0mm	2.5mm	30	3.5mm Square	Brass	2	\$12.00
No. 00747	16.5mm	1.9mm	14	9.5mm Arbor	Brass	3	\$12.00
No. 00748	8.0mm	3.0mm	18	3.0mm Square	Brass	1	\$3.50
No. 00749	9.0mm	3.0mm	18	3.0mm Square	Brass	1	\$3.50
No. 00750	10.0mm	3.0mm	22	3.0mm Square	Brass	1	\$3.50
No. 00757	11.0mm	1.8mm	16	4.0mm Square	Brass	1	\$3.50
No. 00751	11.0mm	3.0mm	22	3.0mm Square	Brass	1	\$3.00
No. 00738	11.25mm	2.0mm	13	3.6mm Square	Brass	1	\$3.00
No. 00739	11.5mm	2.0mm	13	3.2mm Square	Brass	1	\$3.00
No. 00758	12.0mm	2.0mm	16	3.2mm Square	Brass	1	\$3.00
No. 00759	12.0mm	3.0mm	13	3.0mm Square	Brass	1	\$3.00
No. 00752	12.0mm	3.0mm	22	3.0mm Square	Brass	1	\$3.00
No. 00754	12.5mm	2.4mm	14	3.0mm Square	Brass	1	\$3.00
No. 00760	13.5mm	1.6mm	18	3.0mm Square	Brass	1	\$3.00
No. 00775	13.5mm	1.9mm	12	4.0mm Square	Nickel Steel	1	\$3.00
No. 00755	13.5mm	1.9mm	14	4.0mm Square	Nickel Steel	1	\$3.00
No. 00762	13.5mm	1.9mm	16	4.0mm Square	Brass	1	\$3.00
No. 00764	14.0mm	2.0mm	18	3.2mm Square	Brass	1	\$3.00
No. 00767	15.4mm	2.2mm	18	4.25mm Square	Brass	1	\$3.50
No. 00756	16.0mm	2.0mm	18	4.8mm Square	Brass	1	\$4.00
No. 00753	16.5mm	2.0mm	12	4.0mm Square	Nickel Steel	1	\$4.00
No. 00771	17.0mm	2.0mm	16	3.0mm Square	Brass	1	\$5.00
No. 00773	19.0mm	2.0mm	18	3.0mm Square	Brass	1	\$5.00
No. 00772	20.0mm	2.5mm	18	5.5mm Square	Brass	1	\$5.00
No. 00763	13.5mm	1.0mm	20	6.0mm Oblong	Brass	4	\$4.50
No. 00765	14.0mm	2.0mm	18	6.5mm Oblong	Brass	4	\$4.50
No. 00774	14.25mm	2.0mm	10	4.8mm Oblong	Black Steel	4	\$4.50
No. 00766	14.5mm	2.0mm	10	5.0mm Oblong	Brass	4	\$4.50
No. 00770	17.0mm	2.0mm	18	6.0mm Oblong	Brass	4	\$5.50

Ratchet Wheel Coil Springs-Cuckoo



No. 10567 Left Time
No. 10568 Right Strike
\$1.00 each \$9.00/ 12 (75¢)

Ratchet Wheel Repair Kits-Cuckoo



No. 10528



No. 30984 Small click
No. 11696 Large click
No. 10528 Small click
No. 30984 Large click
No. 11696 Detent Type
\$3.50 set \$3.75 set \$4.00 set

Ratchet Wheel-Brass



Used on many American movements. Slotted for a locking pin. Use for clockwise or counter-clockwise winding. 21.5mm diameter. 2.0mm thick. 8.5mm hole dia. Slot length is 13.0mm.

No. 20782 16 Teeth **\$1.25 each**
No. 10598 20 Teeth **\$1.25 each**

Ratchet Wheel-Hermle



Nickel. 16.3mm diameter with 14 teeth.
No. 15986 **\$2.00 each \$22.20/12 (\$1.85)**

**Order 24/7 Online At
www.timesavers.com**

Ratchet Wheels-Cuckoo Clock Regula #25, #34 and #35

Pendulum drops are shown in centimeters. Direction of ratchet wheel rotation is indicated with the brass gear facing the viewer.

CW = clockwise, CCW = counterclockwise.



Typical Time

Typical Front Strike and Platform

Typical Back

1-Day Regula #25 Cuckoo Movements:

No. 10659 Time 19.5 (7.7") CW **\$8.00**
No. 20775 Time 23.5 (9.25") CCW **\$8.00**
No. 20776 Time 28.5 (11.25") CCW **\$8.00**
No. 10663 Strike CW **\$8.00**
No. 20777 Platform CW **\$8.00**

8-Day Regula #34 Cuckoo Movements:

No. 10652 Time CW **\$10.00**
No. 20778 Strike CW **\$10.00**
No. 32826 Platform CW **\$10.00**



Typical Front

No. 33070 Back

No. 33069 Back

1-Day Regula #35 Cuckoo Movements:

No. 33070 Time CCW **\$10.00**
No. 33069 Strike CW **\$10.00**



Typical Front

Typical Back

No. 32830 Back

Same as above but with chain guards to prevent chains from coming off the wheel.

No. 32827 Time CW **\$11.00**
No. 32829 Strike CW **\$11.00**
No. 32828 Platform CCW **\$11.00**
Same as above but with angled chain guard.
No. 32830 Platform CCW **\$11.00**

Drive Wheel-Brass Music Movement



For 2-tune music movements. Uses our No. 19613 chain (not included).

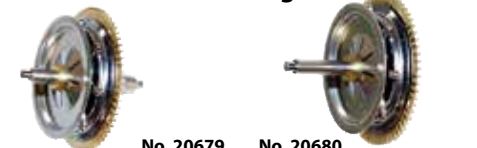
No. 15920 **\$8.00 each**

Ratchet Wheels-Hubert Herr



No. 18297 KW 60 1-Day Time **\$14.00**
No. 18287 KW 60 1-Day Strike **\$14.00**

Ratchet Wheels-Kieninger



No. 20679 Time & Chime **\$14.00 each**
No. 20680 Strike **\$14.00 each**

Wheel Blank Discs

A Timesavers exclusive! CZ120 brass, also known as engraving brass. With a 2% lead addition to provide free-cutting properties.

NEW



Part #	Diameter Inch	Diameter MM	Thickness Inch	Thickness MM	Price
No. 33800	1"	25.4mm	.0394"	1.0mm	\$2.25
No. 33801	1"	25.4mm	.049"	1.25mm	\$2.50
No. 33802	1"	25.4mm	.059"	1.5mm	\$2.75
No. 33803	1"	25.4mm	.079"	2.0mm	\$3.00
No. 33804	1"	25.4mm	.984"	2.5mm	\$3.25
No. 33805	1"	25.4mm	.125"	3.175mm	\$3.75
No. 33806	1-1/4"	31.75mm	.0394"	1.0mm	\$2.50
No. 33807	1-1/4"	31.75mm	.049"	1.25mm	\$2.75
No. 33808	1-1/4"	31.75mm	.059"	1.5mm	\$3.00
No. 33809	1-1/4"	31.75mm	.079"	2.0mm	\$3.25
No. 33810	1-1/4"	31.75mm	.984"	2.5mm	\$3.50
No. 33811	1-1/4"	31.75mm	.125"	3.175mm	\$4.00
No. 33812	1-1/2"	38.1mm	.0394"	1.0mm	\$2.75
No. 33813	1-1/2"	38.1mm	.049"	1.25mm	\$3.00
No. 33814	1-1/2"	38.1mm	.059"	1.5mm	\$3.25
No. 33815	1-1/2"	38.1mm	.079"	2.0mm	\$3.50
No. 33816	1-1/2"	38.1mm	.984"	2.5mm	\$4.00
No. 33817	1-1/2"	38.1mm	.125"	3.175mm	\$4.50
No. 33818	1-3/4"	44.5mm	.0394"	1.0mm	\$3.25
No. 33819	1-3/4"	44.5mm	.049"	1.25mm	\$3.50
No. 33820	1-3/4"	44.5mm	.059"	1.5mm	\$3.75
No. 33821	1-3/4"	44.5mm	.079"	2.0mm	\$4.00
No. 33822	1-3/4"	44.5mm	.984"	2.5mm	\$4.50
No. 33823	1-3/4"	44.5mm	.125"	3.175mm	\$5.50
No. 33824	2"	50.8mm	.0394"	1.0mm	\$3.50
No. 33825	2"	50.8mm	.049"	1.25mm	\$3.75
No. 33826	2"	50.8mm	.059"	1.5mm	\$4.00
No. 33827	2"	50.8mm	.079"	2.0mm	\$4.25
No. 33828	2"	50.8mm	.984"	2.5mm	\$5.00
No. 33829	2"	50.8mm	.125"	3.175mm	\$6.00

Part #	Diameter Inch	Diameter MM	Thickness Inch	Thickness MM	Price
No. 33830	2-1/4"	57.15mm	.0394"	1.0mm	\$4.00
No. 33831	2-1/4"	57.15mm	.049"	1.25mm	\$4.25
No. 33832	2-1/4"	57.15mm	.059"	1.5mm	\$4.50
No. 33833	2-1/4"	57.15mm	.079"	2.0mm	\$5.00
No. 33834	2-1/4"	57.15mm	.984"	2.5mm	\$6.00
No. 33835	2-1/4"	57.15mm	.125"	3.175mm	\$7.00
No. 33836	2-1/2"	63.5mm	.0394"	1.0mm	\$4.50
No. 33837	2-1/2"	63.5mm	.049"	1.25mm	\$4.75
No. 33838	2-1/2"	63.5mm	.059"	1.5mm	\$5.00
No. 33839	2-1/2"	63.5mm	.079"	2.0mm	\$5.50
No. 33840	2-1/2"	63.5mm	.984"	2.5mm	\$6.50
No. 33841	2-1/2"	63.5mm	.125"	3.175mm	\$8.00
No. 33842	2-3/4"	69.85mm	.0394"	1.0mm	\$5.00
No. 33843	2-3/4"	69.85mm	.049"	1.25mm	\$5.25
No. 33844	2-3/4"	69.85mm	.059"	1.5mm	\$5.50
No. 33845	2-3/4"	69.85mm	.079"	2.0mm	\$6.00
No. 33846	2-3/4"	69.85mm	.984"	2.5mm	\$7.50
No. 33847	2-3/4"	69.85mm	.125"	3.175mm	\$9.00
No. 33848	3"	76.2mm	.0394"	1.0mm	\$6.00
No. 33849	3"	76.2mm	.049"	1.25mm	\$6.25
No. 33850	3"	76.2mm	.059"	1.5mm	\$6.50
No. 33851	3"	76.2mm	.079"	2.0mm	\$7.00
No. 33852	3"	76.2mm	.984"	2.5mm	\$8.00
No. 33853	3"	76.2mm	.125"	3.175mm	\$10.50
No. 33854	3-1/4"	76.2mm	.0394"	1.0mm	\$7.00
No. 33855	3-1/4"	76.2mm	.049"	1.25mm	\$7.50
No. 33856	3-1/4"	76.2mm	.059"	1.5mm	\$8.00
No. 33857	3-1/4"	76.2mm	.079"	2.0mm	\$9.00
No. 33858	3-1/4"	76.2mm	.984"	2.5mm	\$10.00
No. 33859	3-1/4"	76.2mm	.125"	3.175mm	\$12.50

Gilbert Brass Pinion



For Gilbert mantel clock movements. .50" (12.7mm) diameter. .158" (4.0mm) undersized center hole to assist in fitting. 12 teeth.

No. 20805 **\$13.50 each**

Brass Gear Hub



10.6mm (.420") D x 2.5mm (.100") T. Mounts gear on arbor. 1.7mm (.07") diameter center hole.

No. 12373 **\$1.00 each**

Steel Arbors

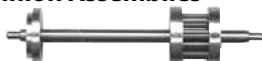


Steel arbors are semi-finished.

No. 10582 .. 1-5/8" L x .100" D **\$1.75 each**

No. 10583 2" L x .115" D **\$1.75 each**

Lantern Pinion Assemblies



2" long. Brass hub for wheel mounting. Brass caps carry steel pinions. Change pendulum drops and replace missing or broken pinions.

No. 10846 6 Leaf **\$3.50 each**

No. 10847 7 Leaf **\$3.50 each**

No. 10848 8 Leaf **\$3.50 each**

No. 10849 9 Leaf **\$3.50 each**

No. 10850 10 Leaf **\$3.50 each**

8 Leaf Pinion Assembly



1-11/16" long. Configured for many kitchen clock movements. India.

No. 29463 **\$3.00 each**

108

Wheel Blanks



1/2-hard leaded brass. For cutting gears.

No. 18724 1.45" Dia. .063" Thick **\$3.00**

No. 18723 1.55" Dia. .063" Thick **\$3.00**

No. 18721 1.90" Dia. .063" Thick **\$4.25**

No. 18720 2.60" Dia. .093" Thick **\$5.50**

Tools & Equipment: Amplifiers & Related

Time Trax Model 60 Beat Amplifier With PC/Smartphone Interface



New, upgraded unit with a Model 20 clip-on sensor, 2 interface cables for PC/Smartphones, instrument recorder, and oscilloscope. Sensitive high gain speaker. Can detect ticking sounds from a mechanical escapement. Accommodates headphones. Compatible with Timetrax Model 100. Injection molded case with anodized aluminum outer shell. Electronic digitally controlled gain control allows adjustment of sound level. Runs on 3 "AA" batteries, not included.

No. 15408 **\$63.50 each**

Mechanics Stethoscope



Automotive device is very adaptable to clock repair. Check clock beats. Sensitive ear pieces. Metal probe extends to 11-3/4" for hard to reach spots. Heavy duty vinyl tubing. Shock-proof ABS handle. China.

No. 29110 **\$11.50 each**

Tools & Equipment: Anvils & Stakes

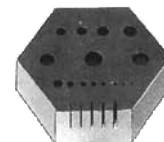
Anvil-Hole Plate



3/4" tall x 2-1/4" diameter steel plate with 22 holes measuring 0.2mm-4.0mm (.008"-.158")

No. 32816 **\$6.50 each**

Anvil



For staking, riveting and hammering small parts. 15 holes and 5 slots. India.

No. 13449 **\$9.50 each**

Anvil



9 holes with slot. 1-3/4" long. India.

No. 29252 **\$7.50 each**

Tools & Equipment: Anvils & Stakes

Anvil-Round



1-7/8" diameter with 9 holes. Made in India.

No. 13448 \$6.00 each

Anvil-Hole Plate



15 holes are 1.0mm to 2.5mm diameter. India.

No. 23902 \$5.00 each

Anvil-Horn



4-3/4" L x 1"W. Hardened and polished. India.

No. 15226 \$15.50 each

Anvil-Mini Jewelers



3-7/8" long x 15/16" wide x 1-9/16" tall. India.

No. 19582 \$12.50 each

Anvil-T Type



For flattening and shaping. 3-1/4" tall. India.

No. 31073 \$7.50 each

Stake-Brass



1"W x 3" L. 9 holes 1.5mm to 6mm. India.

No. 20049 \$17.00 each

1-1/2"W x 3-3/4" L. 3.75mm to 10mm. India.

No. 32326 \$35.00 each

Staking Set



25 assorted punches in a plastic box. India.

No. 19584 \$50.00 set

Riveting Stakes



Hardened steel for punching or riveting holes. 3" long. India.

No. 14987 36 Small Holes \$4.00

No. 14988 36 Large Holes \$5.00

Tools & Equipment: Broaches & Related

Tapered Cutting Broaches



Tempered steel for long life. Size listed is the largest diameter the broach cuts.

Part #	Stubs	Diameter	Length	Price
No. 23162	Q	.3350"	5"	\$25.00
No. 19480	O	.3150"	5"	\$22.50
No. 23168	A	.2360"	4-1/8"	\$14.50
No. 23169	2	.2170"	4-1/8"	\$13.00
No. 23170	4	.2066"	4-1/8"	\$13.75
No. 13804	5	.2045"	4-1/8"	\$12.50
No. 23171	8	.1970"	4-1/8"	\$11.50
No. 13805	10	.1930"	4-1/8"	\$11.00
No. 23172	12	.1870"	4"	\$10.75
No. 13806	15	.1770"	4"	\$10.50
No. 14681	16	.1771"	4"	\$10.50
No. 23173	18	.1675"	4"	\$10.00
No. 13807	20	.1615"	4"	\$9.75
No. 23186	22	.1575"	3-3/4"	\$9.50
No. 13808	26	.1475"	3-3/4"	\$7.50
No. 14682	28	.1377"	3-3/4"	\$7.25
No. 13809	30	.1260"	3-1/2"	\$6.50
No. 14683	31	.1181"	3-5/8"	\$6.50
No. 23187	32	.1141"	3-5/8"	\$6.25
No. 14684	35	.1102"	3-1/2"	\$5.00
No. 13810	36	.1065"	3-1/4"	\$5.00
No. 23188	38	.0123"	3-1/4"	\$4.75
No. 13811	40	.0985"	3"	\$4.50
No. 14685	41	.0944"	3"	\$4.50
No. 23189	42	.0905"	3"	\$4.00
No. 23190	44	.0870"	2-3/4"	\$3.75
No. 13812	45	.0825"	2-3/4"	\$3.75
No. 23191	46	.0790"	2-3/4"	\$3.75
No. 13813	48	.0750"	2-1/2"	\$3.50
No. 13814	50	.0710"	2-1/2"	\$3.25
No. 13815	51	.0670"	2-1/2"	\$3.00
No. 13816	52	.0630"	2-1/2"	\$3.00
No. 14687	53	.0590"	2-3/8"	\$3.00
No. 13817	54	.0550"	2-1/4"	\$3.00
No. 13818	55	.0510"	2-1/4"	\$3.00
No. 23192	56	.0470"	2-1/4"	\$3.00
No. 13819	58	.0435"	2"	\$2.75
No. 13820	60	.0390"	2"	\$2.75
No. 13821	62	.0380"	2"	\$2.75
No. 23193	64	.0355"	2"	\$2.75
No. 13822	65	.0330"	2"	\$2.75
No. 23194	66	.0315"	1-3/4"	\$2.75
No. 13823	68	.0295"	1-3/4"	\$2.75
No. 13824	70	.0270"	1-1/2"	\$2.75
No. 14688	71	.0256"	1-1/2"	\$2.75
No. 13825	72	.0235"	1-1/2"	\$2.75
No. 23195	74	.0220"	1-1/2"	\$2.75
No. 13826	75	.0205"	1-1/2"	\$2.75
No. 23196	76	.0180"	1-7/16"	\$2.75
No. 13827	80	.0130"	1-7/16"	\$2.75

Tapered Smoothing Broaches



Smoothing broaches are used to smooth and burnish holes. The size listed is the largest diameter of the broach.

Part #	Stubs	Diameter	Length	Price
No. 14690	1	.2263"	4-1/4"	\$16.00
No. 23199	2	.2190"	4-3/4"	\$14.50
No. 19485	4	.2070"	4-3/4"	\$13.50
No. 23200	8	.1970"	4"	\$13.00
No. 23201	12	.1850"	4-3/4"	\$11.50
No. 23202	16	.1750"	4-3/4"	\$11.00
No. 23203	18	.1673"	4-1/8"	\$10.50
No. 23204	22	.1550"	3-3/4"	\$9.50
No. 14691	26	.1476"	3-3/4"	\$8.75
No. 23205	28	.1390"	3-1/2"	\$7.50
No. 14692	30	.1279"	3-3/4"	\$6.75
No. 14693	31	.1181"	3-5/8"	\$6.50
No. 14694	32	.1141"	3-9/16"	\$6.00
No. 14695	35	.1102"	3-1/2"	\$5.75
No. 14696	36	.1062"	3-1/2"	\$5.00
No. 23207	38	.1010"	3"	\$5.50
No. 23208	40	.0970"	3"	\$5.00
No. 14697	41	.0944"	3"	\$4.75
No. 14698	42	.0905"	3"	\$4.50
No. 23210	44	.0850"	2-3/4"	\$4.50
No. 14699	45	.0826"	2-7/8"	\$4.50
No. 14700	46	.0787"	2-7/8"	\$4.50
No. 23211	48	.0750"	2-1/2"	\$4.25
No. 14701	49	.0708"	2-5/8"	\$4.00
No. 14702	51	.0669"	2-9/16"	\$4.00
No. 23212	52	.0630"	2-1/2"	\$4.00
No. 14703	53	.0590"	2-3/8"	\$3.75
No. 23213	54	.0550"	2-1/4"	\$3.75
No. 14704	55	.0511"	2-1/4"	\$3.50
No. 14705	56	.0472"	2-1/8"	\$3.50
No. 23214	58	.0410"	1-7/8"	\$3.50
No. 14706	60	.0393"	2"	\$3.50
No. 23217	66	.0320"	1-3/4"	\$2.75
No. 14707	70	.0275"	1-9/16"	\$2.75
No. 23219	72	.0240"	1-1/2"	\$2.75
No. 23220	74	.0220"	1-1/2"	\$2.75
No. 23221	78	.0150"	1-1/4"	\$2.50
No. 23222	80	.0130"	1-1/4"	\$2.50

Broach Set-Cutting



6 cutting broaches with plastic handles in a pouch. (.031"- .090"). India.

No. 17882 \$13.50 set

Large Broach Sets



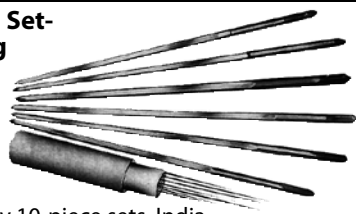
6-piece sets with plastic handles. 2.40mm to 6.20mm (.094"- .244"). India.

No. 22921 Cutting \$30.00 set

No. 23827 Smoothing \$28.50 set

Tools & Equipment: Broaches & Related

Broach Set- Cutting



Economy 10-piece sets. India.

No. 19586	..... 0.6mm to 0.80mm	\$7.50
No. 29931	.... 0.6mm to 1.60mm	\$6.50
No. 23903	..... 0.7mm to 2.30mm	\$8.00
No. 19587	..... 0.9mm to 4.00mm	\$14.50
No. 19588	.. 0.9mm to 4.00mm XL	\$15.00

Cutting Broach Set-Winding Arbor



Quality 4-piece set. Perfect for winding arbor bushings. Large sizes: 7.0mm, 8.0mm, 9.25mm and 10.50mm. Plastic pouch. India.

No. 30406		\$54.00 set
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Broach Set With Handles-Bergeon



PVC handles eliminate the need for a pin vise. Steel alloy, ground and polished. 7 sizes in each container: Stubs sizes #32-#70 (0.69mm-3.53mm) (.027"-.114"). Swiss.

No. 14883	..... Cutting	\$63.50 set
No. 14882	..... Smoothing	\$68.00 set

Broach Sets

Black plastic handles except No. 13411 and No. 13412 which have no handles. Swiss.

Cutting Broach Sets

.05mm to .55mm/.002" to .022"		
No. 15788	..... 12-Piece Box Set	\$34.00
.40mm to 1.40mm/.016" to .055"		
No. 29093	.... 6-Piece Pouch Set	\$34.00
.60mm to 2.0mm/.0235" to .079"		
No. 15216	.... 6-Piece Pouch Set	\$18.50
.70mm to 3.25mm/.0275" to .128"		
No. 13411	..... 12-Piece Tube Set	\$66.00
1.20mm to 3.0mm/.047" to .118"		
No. 29097	..... 6-Piece Tube Set	\$47.50
2.20mm to 6.0mm/.0865" to .236"		
No. 29095	..... 6-Piece Pouch Set	\$97.50

Smoothing Broach Sets

.40mm to 1.40mm/.016" to .055"		
No. 29094	.... 6 Piece Pouch Set	\$30.00
.60mm to 2.0mm/.0235" to .079"		
No. 19801	.... 6 Piece Pouch Set	\$26.00
.70mm to 3.25mm/.0275" to .128"		
No. 13412	..... 12 Piece Tube Set	\$69.50
1.20mm to 3.0mm/.047" to .118"		
No. 29098	..... 6 Piece Tube Set	\$45.00
2.20mm to 6.0mm/.0865" to .236"		
No. 29096	..... 6 Piece Pouch Set	\$96.00
110		

Broaching Device



For small parts and hands. 1-1/2" long. India.
No. 13525 \$12.50 each

Tools & Equipment: Brushes

Cleaning Brush



Plastic handle. 7/8" stiff bristles. China.
No. 15429 Brass Plated Steel Bristles \$3.00

Bench Brush



9-1/2" wood handle. 3 rows of nylon bristles.
No. 32806 \$1.50 each

Bench Brush



11-1/2". Plastic handle. 1-7/8" nylon bristles.
No. 23906 \$4.00 each

Brushes



4 rows. .010mm diameter x 3/4" long crimped wire. Excellent for cleaning or surface texturing on soft metals. 8-1/4" long. Germany.

No. 29286	..... Steel Wire	\$8.00 each
No. 14339	..... Brass Wire	\$8.00 each

Glasgow Washout Brush



10" long, 4-row, hard bristle brush. Great for cleaning and other washing applications. Bristles are 3/4" long. Germany.

No. 29289		\$7.50 each
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Washout Brush-Closeout



4" long wood handled toothbrush style. 3/8" natural fiber bristles. Great for removing dirt from small parts or areas. Was \$1.50.

No. 33186		50¢ each
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5-Piece Cleaning Brush Set



3-1/2" nylon bristled brushes on a ring. 1/32" to 3/16" diameter. Great for cleaning spray nozzles, airbrushes, thin tubes, etc. China.
No. 32007 \$3.00 set

Brush-Dial



4-1/2" long. Soft nylon bristles. India.
No. 17530 \$1.00 each

Brush-Dial



Wood handle. 4-3/4" long. 1" nylon bristles.
No. 29928 \$2.25 each

Brush-Dusting



13" long. Wood handle. Soft horsehair bristles.
No. 10061 \$4.00 each

Brush-Mini



Plastic handle. Nylon bristles clean delicate parts or small areas. 2-7/8" long. India.

No. 32957		\$1.00 each \$2.25 (3)
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3 Piece Angled Brush Set



Access hard-to-reach corners, crevices, gaps and cracks. Long and short brush have stainless steel bristles for hard metals. The middle brush has nylon bristles for sensitive surfaces. Wood handles. Solvent and corrosion resistant. China.

No. 29384		\$11.00 set
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Micro Brush



3-5/16" long with 1/8" long brush end.
No. 20056 50¢ each

Cotton Swabs- 100 Pack



6" long single tipped swabs. Many shop applications. Non-sterile. China.

No. 32135		\$1.50 pack
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Scratch Brushes



Pencil style scratch brush feeds new brush with twist of the cap. 4-7/8" long. India.

No. 13433	..... Brass	\$3.50 each
No. 13431	..... Fiberglass	\$3.25 each
No. 32809	..... Steel Brush	\$3.00 each

Scratch brush refills are 1-5/8" long.

No. 13434	..... Brass	\$1.50 each
No. 13432	..... Fiberglass	\$1.25 each
No. 32790	..... Steel	\$1.00 each

Scratch Brush Assortment



Color-coded set has brass, steel and fiberglass brushes. 4-1/2" long. India.

No. 17631		\$7.50 set
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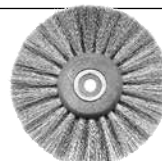
Spiral Brush



Coarse 1" diameter brass bristle brush for cleaning inside surfaces. 7-3/4" long. India.

No. 32831		\$4.00 each
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Brass Wire Brush Wheel



Crimped brass wire. 3 rows. 4" diameter. With wood hub and a metal reinforced center to produce a satin finish.

No. 20055		\$15.00 each
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Tools & Equipment: Brushes

Brass Wire Brush Wheel



NEW

Clean, surface finish and debur metal surfaces. Tapered center hole to fit polishing motor spindle. Wood hub. India.

No. 33705 3-1/2" x 3 row **\$6.50 each**
No. 33707 4" x 4 row **\$7.00 each**

Nylon Brush Wheel



NEW

Cleans and polishes to a brighter finish. Tapered center hole to fit polishing motor spindle. Wood hub. India.

No. 33706 3" x 3 row **\$6.50 each**
No. 33708 4" x 4 row **\$7.00 each**

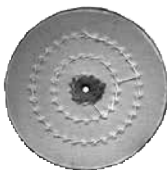
Wire Wheel Brush Assortment



5-piece assortment. 1", 1-1/2", 2", 2-1/2" and 3" diameter brass plated steel brushes with 1/4" mounting holes. 3 arbors included. China.

No. 14506 **\$3.50 pack**

Buff-Yellow Treated With Shellac Center



Chemically treated fine muslin buff holds compounds better than most buffs.

No. 13694 ... 4" Dia. 40 Ply **\$4.00 each**
No. 13696 ... 6" Dia. 50 Ply **\$5.00 each**

Buff-Cotton Flannel With Shellac Center



Use abrasives such as tripoli or emery. 30 ply.

No. 13697 3" Dia. **\$3.25 each**
No. 13698 4" Dia. **\$4.00 each**

Bufs-Muslin With Shellac Center



Four stitched rows. Use with abrasive compounds. Coarse.

No. 13687 ... 3" Dia. 35 Ply **\$2.25 each**
No. 13688 ... 4" Dia. 42 Ply **\$2.75 each**
No. 13690 ... 6" Dia. 50 Ply **\$5.25 each**

Perfect for use with rouge. Fine

No. 13691 . 4" Dia. 50 Ply 4 Row **\$4.00**
No. 13693 . 6" Dia. 50 Ply 6 Row **\$7.25**

Mandrels



Reinforced Heads.

No. 13686 3/32" Shank **\$1.25**
No. 17527 1/8" Shank **\$1.25**

Tapered Spindles



Attaches to straight shaft motors with 2 set screws. Threads are cut left or right. India.

No. 15758 Left 1/2" Shaft **\$5.00**
No. 15759 Right 1/2" Shaft **\$5.00**

Tools & Equipment: Burnishers

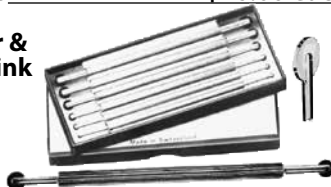
Burnisher



7" long hardened steel. India.

No. 17526 **\$16.00 each**

Burnisher & Countersink Set



Remove burs and burnish holes after drilling and reaming. Countersink tapered shoulder screws. Includes 6 double end countersinks with knurled handles. Sizes 1.8mm to 5.0mm. For finishing off a bushing installation. Swiss.

No. 13888 **\$88.00 set**

Tools & Equipment: Clamps

Quick Clamp



3" long. Nickel plated. 1/2" diameter rubber pads that open to 5/32". Holds parts securely without marring. Spring action. China.

No. 29025 **\$1.00 each**

Clamp



5-1/4" scissor style. 1" wide gripping surface. Opens to 1-1/2". Nickel plated steel. For holding parts, soldering, cleaning, etc. China.

No. 30478 **\$1.50 each**

Tools & Equipment: Cleaning Baskets & Ultrasonics

Cleaning Basket



1-1/2" diameter stainless steel fine mesh holds small parts. Spring action plastic handle for easy opening. 5-3/4" long.

No. 23785 **\$5.00 each**

Small Parts Baskets



Stainless 1-1/2" diameter holds small parts. Ideal for steam cleaning. Spring handle keeps the basket closed. 5-3/4" long.

No. 13898 **\$3.00 each**

Same as above but 2-1/2" deep x 6-3/4" long.

No. 19902 **\$3.50 each**

Small Parts Basket



Brass threaded halves screw together. Fine mesh ends allow cleaning solution to circulate. For small parts. India.

No. 32190 .. 16mm Diameter **\$4.00 each**
No. 32191 .. 20mm Diameter **\$4.00 each**
No. 20610 .. 22mm Diameter **\$4.00 each**

Cleaning Basket



4" tall outer basket holds up to 200 ml of cleaning agent. Plastic inner basket has fine wire mesh to hold small parts. 2-3/4" tall x 2" diameter tapering to 1-1/4" diameter. India.

No. 32022 **\$7.50 each**

Cleaning Basket



Stainless steel, fine mesh. Ideal for small parts. 2-3/16" dia. x 2-1/2" deep. 5-1/2" height. India.

No. 29113 **\$7.50 each**

Small Parts Keepers



No. 20405

No. 20406



Simple way to keep parts together during cleaning. Stainless #8 mesh (1/8") wire with plastic bottom and locking hinged top cap. Use with all types of solutions in ultrasonic or mechanical cleaning systems.

No. 20405 ... 2-1/8" dia. x 6-7/8" tall **\$16.50**
No. 20406 4-1/4" dia. x 7" tall **\$22.00**

Cleaning Rack



Plastic rack with 12 movable hooks for hanging parts in your ultrasonic cleaner.

No. 23638 15" Long **\$7.50 each**

Zap-Trap



Stainless steel. Fits any sink drain 1-1/8" to 2-1/2" diameter. Fine mesh catches small parts, stones, etc. Heavy enough to stay put.

No. 29089 **\$5.00 each**

Wire Mesh Sink Trap



4-1/2" diameter x 1-1/2" deep. 1/16" mesh traps small parts during washing.

No. 29454 **\$1.50 each**

Wire Mesh Sink Trap Set



2 pieces - 2" diameter, 1 piece - 2-3/4", and 1 piece - 4-1/2". Fit most sinks and drains. China.

No. 32009 **\$2.50 set**

Tools & Equipment: Cleaning Baskets & Ultrasonics

Petrol Pot



Stainless steel. Use for cleaning small parts. 2-1/16" D x 1-3/8" T inside dimensions India.
No. 13889 **\$4.00 each**

Washout Cup



3-1/8" diameter x 1-1/4" deep. For cleaning small parts. India.
No. 23447 **\$4.00 each**

Digital Mini Ultrasonic Cleaner



Perfect for quick cleaning of small parts. Saves cleaning solution. 1/2-gallon capacity stainless steel tank, lid and basket with 30-minute digital timer, heater and basket. Countdown and temperature display. 1-year warranty. China.

- Frequency: 40 KHZ
- Power: 120VAC 60 HZ
- Power: 80 W
- Tank Size: 5-1/2" x 5" x 4"

No. 50019 **\$106.50 each**

Sonix 4 Ultrasonic Cleaning Machines



Powerful ultrasonic cavitation is achieved by "Auto Tuning" which compensates for varying workloads and solution levels. Controls "wave sweep" to eliminate dead zones in the cleaning tank. Includes stainless cover and mechanical timer. 2-year warranty on the circuitry and 10 years on the transducer. Low noise output. 220VAC available as an extra option. May be drop-shipped from the manufacturer.

6.4 Quart Ultrasonic Machine

Overall Size 12" x 6-1/4" x 11-1/4"
Tank Size 11-1/2" x 5-1/2" x 6"
Capacity 6.4 Quarts
Output Power 180 Watts Peak Output Power
330 Watts Frequency 60 KHZ
With timer and cover.

No. 18317 **\$747.50 each**

With heater, timer and cover.

No. 18318 **\$839.50 each**

Stainless steel Basket

No. 18319 **\$113.50 each**

10.8 Quart Ultrasonic Machine

Overall Size 12" x 9-3/4" x 11-1/4"
Tank Size 11-1/2" x 9-1/2" x 6"
Capacity 10.8 Quarts
Output Power 240 Watts Peak Output Power
440 Watts Frequency 60 KHZ
With timer, drain and cover.

No. 18320 **\$1064.00 each**

With heater, timer, drain and cover.

No. 18321 **\$1086.00 each**

Stainless steel Basket

No. 18322 **\$138.00 each**

112

Tools & Equipment: Clockmaking Tools, Bushing Tools

KWM Style Bushing Tool Holder Upright Shaft



Center shaft fits KWM bushing tool. 0.39" (10mm) OD, 7" (180mm) long. China.
No. 33701 **\$39.50 each**

KWM Style Hand Held Bushing Reamer Set



5 reamers, 1 chamfering cutter and a handle. Perfect for inexpensive bushing installations. Uses American/KWM bushings. USA.

No. 13400 **\$95.00 set**

Handle Only For American/KWM

Reamers

No. 18303 4-1/2" Long **\$14.50 each**

KWM Style Reamers



Replacement reamers for American/KWM bushings. USA.

No. 13401 I 1.2mm

No. 13402 II 1.8mm

No. 13403 III 2.7mm

No. 13404 IV 3.5mm

No. 13405 V 5.9mm

No. 13406 5mm Chamfering Cutter

No. 24681 10mm Chamfering Cutter

\$16.25 each \$48.00/ 3 (\$16.00)

No. 13828 VI 8.7mm

\$18.00 each

KWM Style Reamers For Bergeon Size Bushings



Reamers fit KWM tools for use with Bergeon size bushings. USA.

No. 32341 I 1.97mm

No. 32342 II 2.47mm

No. 32343 III 2.97mm

No. 32344 IV 3.47mm

No. 32345 V 4.47mm

\$16.25 each \$48.00/ 3 (\$16.00)

KWM Reamers



For American and KWM bushings. Germany.

No. 16752 IVa 4.7mm **\$41.00 each**

No. 31039 VI 8.7mm **\$41.00 each**

Centering Point-American/KWM



Find the center of a worn bushing hole before cutting the plate with a reamer. Fits American/KWM tools. USA.

No. 14396 **\$7.50 each**

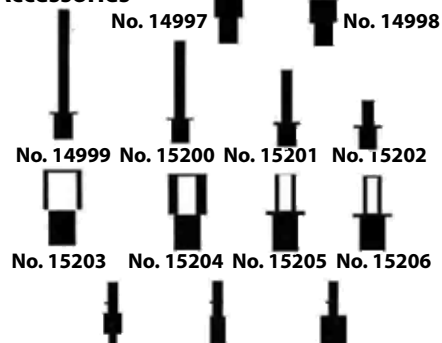
KWM Pivot Gauge



Measures pivot diameters and provides the correct bushing and reamer size. All dimensions in millimeters. Germany.

No. 13483 **\$145.00 each**

Bushing Tool Accessories



Accessories can be used on K and D, Keystone or American/KWM tools. USA.

No. 14997 560" x 1.0" #3 Anvil

No. 14998 560" x .50" #4 Anvil

No. 14999 250" x 2.0" #5 Anvil

No. 15200 250" x 1.5" #6 Anvil

No. 15201 250" x 1.0" #7 Anvil

No. 15202 250" x .50" #8 Anvil

No. 24640 For #1 Reamer #1 Pusher

No. 15210 . For #2,3,4 Reamer #2 Pusher

No. 15211 . For #4,5,6 Reamer #3 Pusher

With Center Hole

No. 15206 .. For #1,2,3, Reamer #3 Anvil

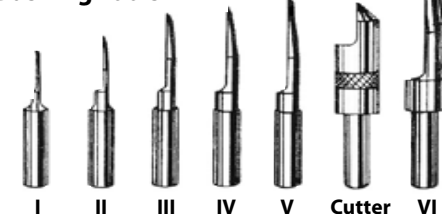
No. 15205 For #4 Reamer #4 Anvil

No. 15204 For #5 Reamer #5 Anvil

No. 15203 For #6 Reamer #6 Anvil

\$7.50 each \$21.75 3 (\$7.25)

Bergeon Style Reamers For KWM Bushing Tools



Cutters fit American/KWM system while the base fits into the Bergeon bushing tool. USA.

No. 14989 I 1.2mm

No. 14924 II 1.8mm

No. 14925 III 2.7mm

No. 14926 IV 3.5mm

No. 14990 V 5.9mm

No. 24699 10mm Chamfering Cutter

\$16.25 each \$48.00/ 3 (\$16.00)

No. 14992 VI 8.7mm

\$18.00 each

Tools & Equipment: Clockmaking Tools, Bushing Tools

Bergeon Pivot Cutters



End cutters used to reduce height of bushings after they're pressed into the plate. Swiss.

	Cutter Diameter	Pivot Diameter	
No. 20025 ..	2.20mm	0.40mm	\$52.00
No. 20026 ..	3.00mm	0.70mm	\$49.50
No. 20027 ..	5.00mm	1.50mm	\$49.50
No. 20028 ..	6.00mm	3.00mm	\$49.50
No. 20029 ..	9.00mm	5.00mm	\$54.00

KWM Style Reamer Adapter For Bergeon Bushing Tools



Fits into the Bergeon bushing tool and allows you to use American/KWM reamers without having to adjust the set screw. USA.

No. 15463 \$10.00 each

KWM Style Reamer Adapter For A Drill Press



Ream clock plates by chucking the adapter into your drill press and installing your American/KWM reamers. 2" long. USA.

No. 14912 \$8.50 each

KWM Style Reamer Adapter For An Electric Screwdriver



For American/KWM reamers. 1-1/2" long. USA.

No. 14913 \$8.50 each

Bergeon Style Reamers



	1.97	2.47	2.97	3.47	4.47	Cutter	Pusher
USA made reamers for Bergeon bushings.							
No. 23685	1.97mm						
No. 23686	2.47mm						
No. 23687	2.97mm						
No. 23688	3.47mm						
No. 23689	4.47mm						
\$16.25 each	\$48.00/3	\$16.00					
No. 24530	Small Chamfering Cutter						
\$13.75 each							

No. 24527	Small Pusher	\$8.00 each
No. 24528	Medium Pusher	\$8.00 each
No. 24529	Large Pusher	\$8.00 each

Bergeon Reamers-Swiss



No. 18468	1.20mm
No. 18469	1.97mm
No. 18470	2.47mm
No. 18471	2.97mm
No. 18472	3.47mm
No. 18473	4.47mm
No. 18474	5.47mm
No. 18475	6.47mm
No. 18476	7.47mm
No. 18477	8.47mm
\$24.50 each	\$72.00/ 3 (\$24.00)

Chamfering Cutters

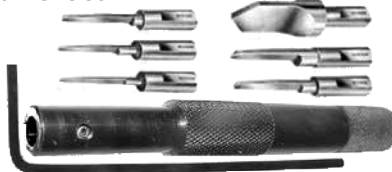


No. 18478	4.00mm	\$24.50 each
No. 18479	10.00mm	\$32.00 each



No. 18480 .. Centering Point \$14.50 each

Bergeon Style Hand Held Bushing Reamer Set



5 reamers, 1 chamfering cutter and a handle. Perfect for inexpensive bushing. Uses Bergeon bushings. USA.

No. 23727 \$78.00 set

Bergeon Style Centering Point



For use on the Bergeon bushing system. USA.

No. 24663 Short Point \$8.00 each

No. 23679 Long Point \$8.00 each

Hand Reamer Handle-Bergeon System



Handle holds Bergeon reamers. Includes a hex wrench. USA.

No. 22910 \$14.00 each

Bergeon Adapter for KWM Style Bushing Tools



Use in KWM bushing tools to convert to Bergeon reamers. Includes a hex wrench. USA.

No. 22913 \$10.00 each

Bergeon Reamer Adapter For A Drill Press



Use your drill press to install Bergeon bushings. Includes a hex wrench. USA.

No. 22912 \$8.50 each

Bergeon Reamer Adapter For An Electric Screwdriver



Use your electric screwdriver to install Bergeon bushings. Includes a hex wrench. USA.

No. 22911 \$8.50 each

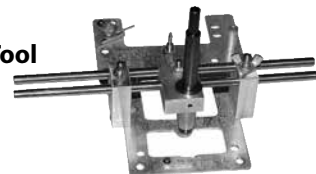
Bushing Tool Jig



Slip it between the escape wheel bridge and front plate for support while reaming and pushing a bushing. Five heights.

No. 18372 \$9.50 each

Clamp On Bushing Tool



Reamers &
Clock Plate
Not Included

Align over pivot hole and clamp to disassemble clock plate. Insert reamer holder and reamer and ream bushing hole. Wrench and upright adapter included. Reamers and bushings not included.

No. 22936	Bergeon	\$155.00
No. 22937	KWM	\$155.00
No. 23487 ..	Insert Only Bergeon	\$13.00
No. 23488	Insert Only KWM	\$13.00

Clamp On Bushing Tool



Reams bushing holes perpendicular to clock plate by placing tool on the plate and holding reamer in the tool and rotating the reamer with an electric drill. Uses American/ KWM or Bergeon reamers and bushings. Bracket and reamer adapter included. Reamers not included. USA.

No. 22914	Bergeon	\$40.00
No. 18438	KWM	\$40.00

Keystone Bushing Tool-KWM



For plates up to 8-1/2" x 12-1/2". With 5 reamers, 5 anvils, 3 pushers, 1 centering pointer, 1 chamfering cutter and a 7-piece wrench set on a stand. Uses American/KWM bushings. USA.

No. 13565 \$825.00 each

The Keystone Bushing Tool-Bergeon

Same as above but set up for the Bergeon bushing system.

No. 22998 \$825.00 each

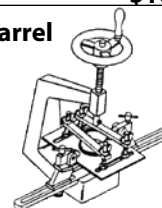
Bergeon Bushing Tool



Includes 2 plate clamps, 10 reamers, 3 pushers, 4 drilled stakes, 1 undrilled stake, 1 centering tool, 1 chamfering cutter, 1 centering stake and instructions. Swiss.

No. 18466 \$1050.00 each

Mainspring Barrel Bushing Tool Adapter



Simplifies bushing installation in mainspring barrels. Clamps to bushing tool and holds barrel in place while reaming. With instructions. Bushing tool not included. India.

No. 16936 \$25.00 each

Tools & Equipment: Clockmaking Tools-Mainspring Winders & Accessories

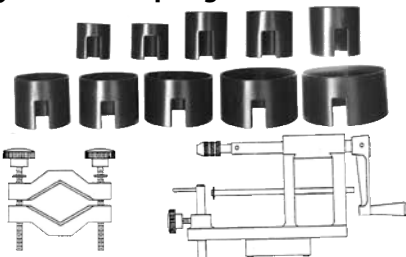
Mainspring Sleeves



Set of 9 steel barrel mainspring retainers from 1" to 2-1/4" diameters. China.

No. 18427 **\$56.50 set**

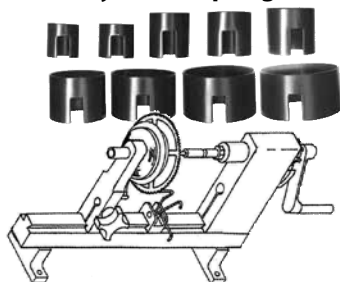
Keystone Mainspring Winder



Winds loop or hole end springs. With 10 nesting spring retainers from 1" to 2-3/4", 5 arbors, mounting screws, barrel clamp, hex wrench and instructions. USA.

No. 18426 **\$375.00 each**

Ollie Baker Style Mainspring Winder



Handle springs of any size, both hole end and loop end. Includes 9 steel mainspring sleeves, clamp and instructions. Heavy gloves and eye protection should always be worn while removing or installing any mainspring. Requires letdown chucks listed below.

No. 18792 **\$250.00 each**

Letdown Chucks



For use with the Ollie Baker style winder.

No. 10067 0-00 Chuck
No. 10068 1-2 Chuck
No. 10069 3-4 Chuck
No. 10070 5-6 Chuck
No. 10071 7-8 Chuck
No. 10072 9-11 Chuck
No. 10073 10-12 Chuck
No. 10074 14-16 Chuck

Additional Metric Chucks

No. 20370 2.25/2.5mm Chuck
No. 20371 2.75/3.0mm Chuck
No. 20372 3.25/3.5mm Chuck
No. 20390 3.75/4.0mm Chuck
No. 20391 4.25/4.5mm Chuck
No. 20392 4.75/5.0mm Chuck
No. 20410 5.25/5.5mm Chuck
\$8.00 each **\$23.25/ 3 (\$7.75)**

New & Improved Webster Style Mainspring Winder



**Timesavers
Exclusive**

Remove and install mainsprings with loop or hole ends (barrel). Includes 2 hooks, **No. 23762** arbor support, 9 mainspring sleeves, 1" to 2-1/4", and instructions. Heavy gloves and eye protection should always be worn when removing/installing mainsprings. China.

No. 15452 **\$192.50 each**

Webster Style Mainspring Winder Arbor Support

**Mainspring Winder
Not Included**



Place support 1" from end of arbor. Slide pin up to arbor and lock. Makes spring winding easier and safer. For all Webster winders. China.

No. 23762 **\$24.00 each**

Hook Set For Webster Mainspring Winder



One each hole and loop end mainspring hooks.

No. 30481 **\$9.50 set**

Ratchet Click Spring



Used on our **No. 15452** Webster mainspring winder click.

No. 18964 **\$2.50 each**

Mainspring Winder

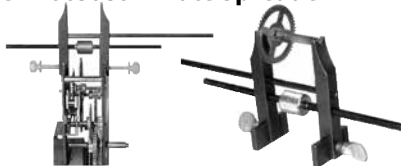


For loop end mainsprings. Winds springs on the main wheel. 2-3/8" x 3-3/4". India.

No. 13473 **\$8.50 each**

Tools & Equipment: Clockmaking Tools-Other

The "Not Just A Plate Spreader"



Combines 2 tools. Use as a plate spreader with brass holding screws. Makes adjustments during movement assembly. Use as a truing up tool. Install the included brackets place a wheel and arbor in the slot.

No. 20401 **\$25.00 set**

Verge Adjuster

**Verge
Not
Included**



Assists you in making adjustments to strap type verges. With operating instructions.

No. 22941 **\$57.50 each**

Arbor Straightener & Lantern Puller



Straightens bent arbors and pinions. Pulls lantern pinion caps and presses them into place. Handles wheels up to 3-3/4" and wheels and arbors up to 6" long and 1/8" diameter. Instructions included.

No. 22699 **\$315.00 each**

Beginner's Clockmaker Tool Kit



Obtain your basic repair tools by buying all at one time. If purchased separately, this 53-piece set would retail at \$185.00. Great for students learning clock repair. Our Part Numbers are in parentheses. Consists of:

- Brass Taper Pins (#10501)
- Hanging Assembly Post Kit-Set of 4 (#13409)
- Pin Vise (#13424)
- Hand Vise (#13425)
- #2 Cut 12-piece Needle File Set (#13616)
- Brass and Fiber Head Mallet (#13699)
- Presto #1 Type Hand Remover (#15481)
- Oil Cup (#15875)
- 5 In 1 Clock Key (#2-4-6-8-10) (#19261)
- 5 In 1 Clock Key (#3-5-7-9-11) (#19262)
- 5 piece Stainless Tweezer Set (AA, MM, NN, 3 and 5) (#19276)
- Pivot Locator/Spring Lifter (#20261)
- 3 piece Oil Pin Set (#23295)
- 10 piece Cutting Broach Set .027"-.098" (#23903)
- 6 piece Fixed Blade Screw Driver Set
- 3.3x Aluminum Eye Loupe
- Flat Nose Pliers
- Wood Graver Handle with Chuck
- 4-piece Let Down Set for Mainsprings (Handle and 3 chucks #5-#6, #7-#8 and #10-#12) (#15808)

No. 32755 **\$155.00 kit**

Tools & Equipment: Clockmaking Tools- Test Stands

Clock Test Stand



**Movement
Not
Included**

For bench or wall. Use 8-1/2" movable arms in the up or down position. Clearance provided by cutout section of 10" wide base. 6-1/4" depth prevents tipping. Hardwood.

No. 29693 **\$33.50 each**

Movement Wall Mount



NEW

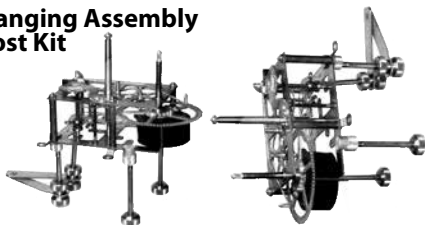
5" x 10" x 3/16" plywood. 4 countersunk holes. With 4 screws.

No. 33788 **\$6.50 each**

Tools & Equipment:

Clockmaking Tools- Test Stands

Hanging Assembly Post Kit



Assemble movements at the bench. Includes 4 assembly posts. Offset heads hold clock plates securely. With a special bracket for hanging on wall for inspection and rating.

No. 13409 **\$21.50 set**

Assembly Posts



Attach to clock plates during assembly. Offset head holds plate securely. 3 or 4 posts are necessary for assembly.

No. 13408 2-1/2" Long **\$5.50 each**
\$15.75/ 3 (\$5.25)

No. 22830 3-3/4" Long **\$7.50 each**
\$21.75/ 3 (\$7.25)



Extra long steel post raises the movement to eye level. With aluminum fittings.

No. 29753 7-7/8" Long **\$16.50 each**
\$48.00/ 3 (\$16.00)

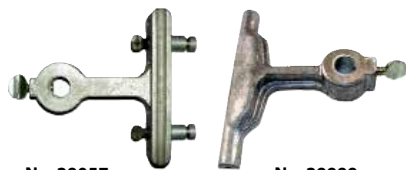
Movement Test Stand-Aluminum



Completely adjustable. Thumb screws for leveling in all directions. Horizontal arms grooved for holding rectangular movements. Adjustable round collars designed to firmly hold round movements. Rugged construction. 16-1/2" tall. 1/2" post diameter.

No. 19996 **\$58.00 each**

Extra Holding Brackets



No. 29057

No. 29999



No. 29997



No. 29998

Brackets fit **No. 15915** and **No. 19996** stands. Several movements can be tested at once. Fits other test stands with 1/2" post diameter. Top clamp **No. 29997** holds plates up to 1/4" thick.

No. 29057 Aluminum **\$15.00 each**
No. 29999 Aluminum **\$14.25 each**
No. 29997 Steel **\$12.50 each**
No. 29998 Aluminum **\$12.50 each**

Clock Movement Test Stand-Iron



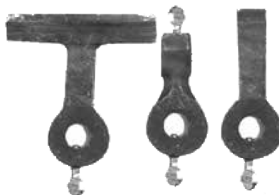
Holds movements for adjusting and regulating. Grooved brackets adjustable up to 11". 2 leveling screws. 1/2" post diameter.

No. 15915 **\$51.00 each**

Extra Holding Brackets



No. 15916



No. 20272 **No. 20276** **No. 20274**

No. 15916 Cast Iron **\$25.50 pair**

No. 20272 Cast Iron **\$12.50 each**

No. 20274 Cast Iron **\$12.50 each**

2-3/8" x 1-1/4" Make Your Own

No. 20276 Cast Iron **\$11.00 each**

Tools & Equipment: Timers

TimeTrax Model 185 Electronic Clock Timer and Amplifier



Specifications:

Size	4.00W x 7H x 1.75D
Weight	11 Oz.
Display	4-1/2 digit high contrast LCD
Train Range	2000 to 19,999 beats per hour
Preset Average	2 to 130 in steps of 2
Monitor (Visual)	flashing LED with each tick
Beat Amplifier	built in with dynamic speaker
Timebase	50 ppm quartz crystal
Processor	8 bit CMOS

Measures rate of mechanical clocks by sensing escapement action and mechanical sounds of escapement. Use on carriage clocks to 400-day and Atmos clocks. Reads vibrations per hour. With a digital balance mode to place a clock in beat. Built-in audio beat amplifier. Includes a handbook of train tables and a Model #20 clip-on sensor. Portable. Uses 4 "AA" batteries (not included). 2-year warranty.

No. 17781 **\$170.00 each**

MicroSet 2 Precision Clock Timer



Specifications:

- Time Mode measures from 1 to 254 beats.
- Balance Mode to put clocks "in beat".
- Count Mode for finding the correct rate of any clock.
- Strike Mode for diagnosing errors in strike
- 16 character LCD screen.
- Accuracy to 1 or 2 parts per million.
- Maximum beat time: 100 seconds.
- Maximum rate for watches: 36,000 BPH.
- Display results as Seconds Per Beat to 6 decimal places or Beats Per Hour to 2 decimal places.
- Special mode measures minute hand (one hour period).
- Blanking Window to reduce false trigger from noise.
- Produces "beep" when each new reading is complete.
- Includes both battery and AC adapter.
- Includes booklet of train times.
- Other accessories are available.
- 2 year warranty.
- Made in the USA.

Originally introduced in 1977 with ground breaking features including unprecedented accuracy, resolution to a millionth of a second, and an optical sensor to eliminate false readings from extraneous noise. MicroSet 2 adds 2 additional functions never offered in a clock timing tool. The Count Mode will find the correct rate of any running pendulum clock. The Strike Mode will record the pattern of strikes over many hours to find intermittent problems. Includes timer, 9-volt battery, acoustic sensor, optical sensor, AC adapter and instructions.

No. 19550 **\$292.50 each**

With built-in beat amplifier.

No. 32125 **\$325.00 each**

Tools & Equipment: Drills & Related

Brass 9 Piece Collet Set



Great for use with drills, burs, bead reamers, files, etc. 4-3/4" aluminum handle for storage. 7 collets: 0.8-1.0mm, 1.3-1.5mm, 1.8-2.0mm, 2.2-2.4mm, 2.8-3.0mm and 2 pieces of 3.0-3.2mm. With a coned diamond burr and a collet holder.

No. 32417 **\$11.00 set**

Micro Drill Chuck



Adjustable, 1/8" shank holds micro drills. India.

No. 11105 **\$2.00 each**

Adapter Chuck For Small Drills



Insert in drill to use smaller drills and accessories. Adapts 3/32" collets from 0 to 3/32". India.

No. 17532 **\$4.00 each**

Hand Drill



Up and down movement turns the drill. India.

No. 15694 7" Long **\$4.00 each**

Tools & Equipment: Drills & Related

Hand Drill-Miniature Brass



3-3/4" long for drill sizes #60-#80. India.

No. 15698 **\$3.50 each**

Drill Sets-High Speed Steel



8-piece set in 1/64", 1/32", 3/64", 1/16" 5/64", 3/32", 7/64" and 1/8" sizes.

No. 17533 **\$14.00 set**

10 piece set in 0.5mm, 1.0mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm, 4.5mm and 5.0mm sizes.

No. 17534 **\$16.00 set**

12-Piece Flat Clock Drill Assortment- Metric



Assorted styles. **Was \$7.50.**

No. 01303 1.0mm To 2.5mm **\$3.00 set**

15-Piece Metric Drill Sets-High Speed Steel



Plastic pouch. 0.05mm size increments. China.

No. 17111 .0.30mm To 1.0mm **\$5.50 set**

No. 17636 .1.05mm To 2.0mm **\$5.50 set**

Micro Drills- 16-Piece Sets



High speed steel drills in a plastic pouch. India.

No. 33471 .0.50mm-2.00mm **\$8.00 set**

No. 33472 .2.00mm-3.50mm **\$10.00 set**

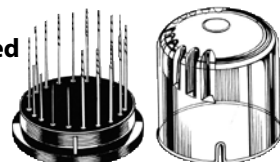
20-Piece Drill Set- High Speed Steel



Wire sizes 61 through 80 (.0135"-.039").

No. 17531 **\$6.50 set**

20-Piece Drill Set-High Speed Steel



Premium quality. Numbers 61 through 80 included (.0135"-.039").

No. 13488 **\$31.50 set**

20-Piece Micro Metric Drill Set- High Speed Steel



Size range from 0.30mm to 1.50mm (.012"-.060"). Plastic storage pouch. India.

No. 29930 **\$9.50 each**
116

36-Piece Drill Set- High Speed Steel



Premium quality drills in a wood stand. Sizes 33 through 80 (.0135"-.113").

No. 13489 **\$56.50 set**

Drills-Double Ended Center



For drilling pivots and countersinking.

	Drill Dia.	Shank Dia.	
No. 10835	M1.0	3.15mm	\$4.00
No. 10836	M1.6	4.00mm	\$4.25
No. 10257	M2.5	6.30mm	\$4.50
No. 10258	M4.0	10.0mm	\$4.75

No. 15650	#000	.020"	\$4.00
No. 15651	#00	.025"	\$4.00
No. 15652	#0	.031"	\$4.00
No. 17536	#1	.047"	\$4.00
No. 17537	#2	.078"	\$4.00
No. 17538	#3	.109"	\$4.00
No. 18950	#4	.125"	\$4.00
No. 18951	#5	.188"	\$5.50
No. 18952	#6	.219"	\$5.50

Diamond Hole Saw 6-Piece Set



Shank sizes of 5/32", 3/16", 1/4" 5/16", 3/8" and 1/2". Plastic storage case. China.

No. 29451 **\$11.50 set**

Twist Drills-Inch Sizes-Carbon Steel



No. 13494 .....	.0700"	#50 Drill
No. 13495 .....	.0670"	#51 Drill
No. 13496 .....	.0635"	#52 Drill
No. 13497 .....	.0595"	#53 Drill
No. 13498 .....	.0550"	#54 Drill
No. 13499 .....	.0520"	#55 Drill
No. 13500 .....	.0465"	#56 Drill
No. 13501 .....	.0430"	#57 Drill
No. 13502 .....	.0420"	#58 Drill
No. 13503 .....	.0410"	#59 Drill
No. 13504 .....	.0400"	#60 Drill
No. 13505 .....	.0390"	#61 Drill
No. 13506 .....	.0380"	#62 Drill
No. 13507 .....	.0370"	#63 Drill
No. 13508 .....	.0360"	#64 Drill
No. 13509 .....	.0350"	#65 Drill
No. 13510 .....	.0330"	#66 Drill
No. 13511 .....	.0320"	#67 Drill
No. 13512 .....	.0310"	#68 Drill
No. 13513 .....	.0292"	#69 Drill
No. 13514 .....	.0280"	#70 Drill
No. 13515 .....	.0260"	#71 Drill
No. 13516 .....	.0250"	#72 Drill
No. 13517 .....	.0240"	#73 Drill
No. 13518 .....	.0225"	#74 Drill
No. 13519 .....	.0210"	#75 Drill
No. 13520 .....	.0200"	#76 Drill
No. 13521 .....	.0180"	#77 Drill
No. 13522 .....	.0160"	#78 Drill
No. 13523 .....	.0145"	#79 Drill
No. 13524 .....	.0135"	#80 Drill

\$1.25 each **\$6.60/6 (\$1.10)**

Twist Drills-Metric Sizes-Carbon Steel



No. 17539 .....	.0118"	.30mm
No. 17540 .....	.0138"	.35mm
No. 17541 .....	.0157"	.40mm
No. 17546 .....	.0197"	.50mm
No. 17547 .....	.0217"	.55mm
No. 17548 .....	.0236"	.60mm
No. 17549 .....	.0256"	.65mm
No. 17550 .....	.0276"	.70mm
No. 17551 .....	.0295"	.75mm
No. 17552 .....	.0315"	.80mm
No. 17553 .....	.0335"	.85mm
No. 17555 .....	.0374"	.95mm
No. 17542 .....	.0394"	1.00mm
No. 17556 .....	.0433"	1.10mm
No. 17557 .....	.0472"	1.20mm
No. 17558 .....	.0512"	1.30mm
No. 17559 .....	.0551"	1.40mm
No. 17560 .....	.0591"	1.50mm
No. 17561 .....	.0630"	1.60mm
No. 17562 .....	.0669"	1.70mm
No. 17563 .....	.0709"	1.80mm
No. 17564 .....	.0748"	1.90mm
No. 17565 .....	.0787"	2.00mm
No. 15988 .....	.0827"	2.10mm
No. 15989 .....	.0866"	2.20mm
No. 15990 .....	.0906"	2.30mm
No. 15991 .....	.0945"	2.40mm
No. 15992 .....	.0984"	2.50mm
No. 15993 .....	.1024"	2.60mm
No. 15994 .....	.1063"	2.70mm
No. 15995 .....	.1102"	2.80mm
No. 15996 .....	.1142"	2.90mm
No. 15997 .....	.1181"	3.00mm

\$2.00 each **\$11.10/6 (\$1.85)**

Flat Pivot Drills-Carbon Steel



With a right hand 0 degree rake angle.

1mm Shank Diameter		
No. 23063 .....	.004"	\$5.00 each
No. 23066 .....	.010"	\$5.00 each
No. 23067 .....	.012"	\$5.00 each
No. 23068 .....	.014"	\$5.00 each
No. 23069 .....	.016"	\$5.00 each
No. 23070 .....	.018"	\$5.00 each
No. 23071 .....	.020"	\$5.00 each
No. 23073 .....	.024"	\$5.00 each
No. 23074 .....	.026"	\$5.00 each

1.5mm Shank Diameter		
No. 23075 .....	.028"	\$5.00 each
No. 23076 .....	.030"	\$5.00 each
No. 23077 .....	.032"	\$5.00 each
No. 23078 .....	.034"	\$5.00 each
No. 23079 .....	.036"	\$5.00 each
No. 23080 .....	.038"	\$5.00 each
No. 23081 .....	.040"	\$5.00 each
No. 23082 .....	.042"	\$5.00 each
No. 23083 .....	.044"	\$5.00 each
No. 23084 .....	.046"	\$5.00 each
No. 23085 .....	.048"	\$5.00 each

Flat Pivot Drill Assortments-3 Packs



Used for drilling the finest holes. With a right hand 0 degree rake angle. All with .0236" shank diameter. 3 in a pack. **Was \$12.50.**

No. 00414 ...	.009" diameter	\$5.00 pack
No. 00415 ...	.013" diameter	\$5.00 pack
No. 00416 ...	.0134" diameter	\$5.00 pack
No. 00417 ...	.0138" diameter	\$5.00 pack

Tools & Equipment: Drills & Related

Drill Stop Set



7 piece nicked steel. Includes sizes 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2". Drill to exact depth. Stops have adjusting screws. Allen wrench included. China.

No. 11699 **\$5.00 set**

Economy 4 Prong Drill Chuck Key



Will fit most power equipment.

No. 21067 **\$2.50 each**

Tools & Equipment: Electrical Accessories

Alligator Clip Assortment



6-2" clips, 6-1-1/2" clips, 10-mini clips, 2-30 amp clips, 2-25 amp clips and 2-10 amp clips.

No. 23371 **\$5.00 pack**

Magnetizer/ Demagnetizer



Powerful rare earth magnet for screwdrivers, tweezers and small parts. 1" square.

No. 18715 **\$4.00 each**

Tools & Equipment: Files

Magnetizer/ Demagnetizer



For small tools like screwdrivers and tweezers. Magnetize by sliding tool through the plus (+) slot. Demagnetize by sliding the tool through the minus (-) slot. 2" x 2" x 1-1/8" deep.

No. 23461 **\$4.00 each**

File Cleaner



Stiff wires set into a plastic handle. Removes contaminants. 9-1/4" long.

No. 14341 **\$4.00 each**

Wood File Handle



1" diameter, 4" long. India.

No. 19367 **\$2.00 each**

Needle File Holder



4-3/4" long brass big collet type needle file holder has plastic handle. India.

No. 32812 **\$3.50 each**

Needle Files-Closeout

Italian made. Hand files in profiles indicated. 5-1/2" long. **Was \$3.00.**

No. 33579 #3 Triangular **\$1.00 each**
No. 33580 #4 Triangular **\$1.00 each**
No. 33581 #3 Round **\$1.00 each**
No. 33582 #4 Round **\$1.00 each**

Hand File-#5 Cut Warding-Closeout



Italian Iridium brand. .520" wide x .093" thick. Double cut warding file. Thin profile, rectangular shape, tapered point. For notching, bur removal and narrow spaces. 5" file, 6-1/2" overall. **Was \$25.00.**

No. 33304 **\$7.50 each**

Hand Files-Closeout



German F. Dick brand. 5" files, 6-1/2" overall length. **Was \$18.00.**

No. 33305 #2 Cut Flat **\$6.00 each**
No. 33308 #5 Cut Flat **\$6.00 each**
No. 33309 #1 Cut Triangle **\$6.00 each**
No. 33310 #3 Cut Triangle **\$6.00 each**

5-Piece File Set



6-3/4" long. Rubberized grips. Round, half-round, square, rectangular, and triangular files have profiles smaller than standard for more detailed work in confined areas. China.

No. 29188 **\$7.00 set**

6-Piece File Set With Handles



Needle files with rubber handles. Assorted styles. 2mm diameter. 4" long. China.

No. 17608 **\$4.00 set**

6-Piece Diamond File Set



8-1/2" flat diamond files. Rubberized handles. Grits of 40, 80, 150, 240, 400 and 600. China.

No. 29380 **\$20.00 set**

6-Piece Needle File Set



Economy set. Includes triangular (2), flat, round, half round, and square profiles. Wood handles. 6-1/4" long. China.

No. 30449 **\$3.00 set**

10-Piece Diamond Needle File Set



5" tapered files with 3 different grits. Rubber handles. China.

No. 29029 **\$9.50 set**

8-Piece Riffler File Set-Closeout



Double ended. Popular styles. Used on hard-to-reach surfaces and for detail finishing. Italian made Iridium brand. **Was \$75.00.**

No. 33284 **\$25.00 set**

10-Piece Riffler File Set



7" long. Assorted styles. China.

No. 15811 **\$6.50 set**

12-Piece Economy File Sets



Popular shapes. Plastic pouch. 5-1/2" L. India.

No. 23901 #0 Cut **\$9.00 set**
No. 13616 #2 Cut **\$9.00 set**
No. 19705 #4 Cut **\$9.00 set**

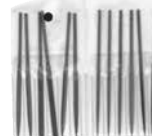
12-Piece File Sets- Closeout



A must for clockmakers, watchmakers, jewelers and hobbyists. 5-1/2" long. Includes Flat, Crossing, 3 Square, Round Knife, Half Round, Barrette, Slitting, Marking and 2 Equaling files. Italian Iridium brand. **Was \$50.00.**

No. 33285 #0 Cut **\$25.00 set**
No. 33224 #3 Cut **\$25.00 set**

12-Piece File Sets



Assorted jewelers quality files in a plastic storage pouch. Swiss.

No. 13413 #2 Fine **\$64.00 set**
No. 13414 #4 Extra Fine **\$71.00 set**

Tools & Equipment: Gravers & Related

Gravers



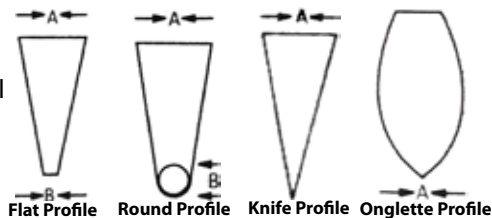
Hardened and tempered high speed steel. 4" long. India.

No. 17612 Knife **\$3.00 each**
No. 17613 Square **\$3.00 each**

Gravers

NEW

Good quality tempered high speed steel (HSS). 4" long. For cutting all types of metals, wood, bone, etc. Used by jewelers and watchmakers. India. Your choice at **\$7.50 each**.



Part #	Flat Profile	Thickness A	Thickness B
No. 34063	#2	1.9mm	0.2mm
No. 34064	#4	2.0mm	0.4mm
No. 34065	#6	2.1mm	0.6mm
No. 34066	#8	2.2mm	0.8mm
No. 34067	#10	2.3mm	1.0mm
No. 34068	#12	2.4mm	1.2mm
No. 34069	#14	2.5mm	1.4mm
Part #	Round Profile	Thickness	Thickness
No. 34070	#2	1.9mm	0.2mm
No. 34071	#4	2.0mm	0.4mm
No. 34072	#6	2.1mm	0.6mm
No. 34073	#8	2.2mm	0.8mm
No. 34074	#10	2.3mm	1.0mm
No. 34075	#12	2.4mm	1.2mm
No. 34076	#14	2.5mm	1.4mm

Part #	Knife Profile	Thickness
No. 34077	#18	1.16mm
No. 34078	#20	1.24mm
No. 34079	#22	1.35mm
No. 34080	#24	1.45mm
No. 34081	#26	1.50mm
No. 34082	#1	1.78mm
Part #	Ongle Profile	Thickness
No. 34082	#1	1.78mm
No. 34083	#2	1.94mm
No. 34084	#3	2.16mm
No. 34085	#4	2.54mm
No. 34086	#5	2.74mm
No. 34087	#6	2.94mm
No. 34088	#7	3.14mm
No. 34089	#8	3.36mm

Square Gravers Hand-Closeout

High speed tool steel. 5-1/2" long. Used for engraving and stone setting. Was \$3.00.

No. 015631.6mm (.063") **\$2.50 each**
 No. 015641.8mm (.071") **\$2.50 each**

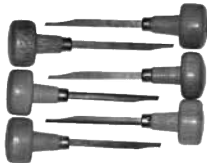
Graver/Burnisher File 2-Piece Set

NEW

2-5/8" x 3-1/2" overall length. 9/32" oblong mounting holes make these multi-use handles. Each has a set screw for easy tightening with included hex key. India.

No. 33709 **\$8.00 set**

6-Piece Turning & Pivoting Graver Set



Assorted gravers with wood handles. India. No. 22926 **\$22.00 set**

Waller Graver

Carbide turning graver. Knurled handle. Fast cutting on the hardest metals. 5" long. No. 29627 **\$18.00 each**

Replacement Tip



Replacement tip for above. No. 29628 **\$14.50 each**

Diamond Compound



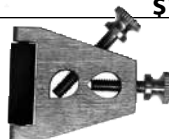
Waller diamond compound used on steel lap in lathe to sharpen carbide gravers. 1/2 ounce. No. 29630 **\$25.50 each**
118

Dyna-Lube "R"



Diamond compound and impregnator. 2" stick. No. 29629 **\$16.50 each**

Graver Sharpener



Holds gravers for sharpening on oil stones. No. 17614 **\$4.50 each**

Tools & Equipment: Hammers

Hammer



Versatile hammer with interchangeable brass and nylon heads. Hardwood handle. India. No. 13455 10" Long **\$8.00 each**

Replacement Heads

For No. 13455 above.

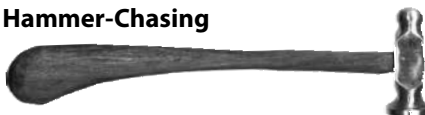
No. 13456 Brass **\$2.25 each**
 No. 13457 Nylon **\$2.25 each**

Hammer-Brass Head



Hardwood handle with a perfectly balanced flat brass plated head. 9" long. India. No. 13410 **\$5.00 each**

Hammer-Chasing



The flat end of 1" head flattens. Round end is used for riveting. Nickel steel head with a pistol grip handle. 10" long. India. No. 13582 **\$6.50 each**

Hammer-Jewelers

Steel head and handle. 6" long. India. No. 15779 **\$5.00 each**

Hammer-Peen

3/4 lb. Wood handle. 10-1/4" long. India. No. 15778 **\$6.50 each**

Hammer-Mini Plastic

7" long with one nylon and one metal head. Rubberized handle. Weighs 60 grams. India. No. 33467 **\$3.75 each**

Hammer-Riveting

One end is flat, the other is chisel shaped for spreading rivets. Polished steel head on a hardwood handle. 9-1/4" long. India. No. 13581 **\$6.00 each**

Hammer-Staking

Nickel plated steel. Hardwood handle. For staking and riveting. 9-1/4" long. India. No. 13586 **\$4.50 each**

Brass and Fiber Head Mallet

Nicely weighted with a knurled easy-grip aluminum handle. 9-3/4" long. India. No. 13699 **\$6.50 each**

Nail Guide

Plastic. Holds nails when hammering. China. No. 19674 **\$2.00 each**

Tools & Equipment: Hand Removers, Pullers & Related

Clock Hand Bushing Tool

Square end steel shaft with a wood handle for turning and adjusting square minute hand bushings. 7" overall. India. No. 19439 **\$7.50 each**

Hand Setting Tool Assortment-3 Piece Set

3-3/4" brass nylon tipped body. Ideal for inserting watch hands without scratching dials. 2 holes per color-coded tool: 0.50mm and 1.00mm (White/Black), 1.50mm and 2.00mm (Grey/Red), Flat and 0.80mm (Brass/Blue). India. No. 32438 **\$10.00 set**

Tools & Equipment:

Hand Removers, Pullers & Related

Hand Presser



Double-ended for pressing hands on without damaging dials. 5-1/2" long. India.

No. 18419 \$2.50 each

Hand Presser



3-3/4" double-ended, nylon-tipped presser for the gentle positioning of hands. India.

No. 29374 \$3.00 each

Hand Remover



For small clocks and watches. Set of 2. India.

No. 18418 4" Long \$4.00 set

Hand Remover



Presto type #2 remover uses spring pressure to remove hands. 3-3/4" long. India.

No. 30493 \$9.00 each

Hand Remover



Type "S" hand remover uses spring pressure to remove hands. Fiber tips will not mar dial. Jaws retract when springs are pressed. India.

No. 23782 \$9.00 each

Hand Remover



Presto type remover uses spring pressure to remove hands. 3-1/2" long. India.

No. 15481 \$8.00 each

Hand Remover-Presto #4



Revolving turret with 4 plungers of different diameters to support the center post. Does not mar the dial. Removes hands from gauges, meters, clocks and watches. 3-3/4" long. Swiss.

No. 14978 \$84.50 each

Hand Remover-K&D Style



No. 13427 4" Long \$8.00 each

Hand & Gear Puller



1-11/16" long with tapered end. Knurled, nickel-plated thumb screw. 5/8" deep throat. 1/16" tip.

No. 23770 \$10.00 each

Cannon Pinion Puller



Removes cannon pinions. Won't mar shafts or threads. 7-1/2". Instructions included. USA

No. 20878 \$172.00 each

Replacement Wires

No. 23490 \$6.00 set

Gear Puller



Screw pressure forces gears, wheels and hands from their posts. Will not mar dials.

No. 13447 \$4.50 each

Tools & Equipment: Holder, Picks & Probes

Three Prong Holder



The plunger opens jaws. 5" long. India.

No. 13604 \$3.00 each

Jeweler's Pickup Tool Set-4 Pieces



One each of 2 prong, 3 prong, 4 prong and 5 prong 4-1/2" long pick-up tools. Brass bodies. Wood storage box. China.

No. 32416 \$12.50 set

Coil Clip Parts Holder



Holds small parts at any angle. 2-1/8" plastic base. 3/8" thick x 9" long x 1/4" diameter. Alligator clip has 1/2" long jaws with a 3/8" opening. With mounting tape. China.

No. 33623 \$2.00 each

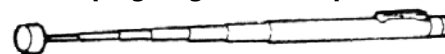
X-Tra Hand



For soldering and assembly. Double ball joints assure the workpiece is in the right position. Heavy base for stability.

No. 13429 \$8.00 each

Telescoping Magnetic Pickup



4-1/4" closed, 22-1/2" extended. Pocket clip.

No. 16715 \$2.50 each

8 Piece Positioning Tool Set



For positioning pivots and many other uses. 3 extension handles to increase reach.

No. 23094 \$16.00 set

Dental Picks



5-1/2" long.

No. 15810 6 Piece Set \$5.00 set

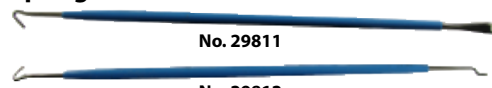
Probe Set



3 probes and a spatula. 5-3/4" long. Rubber handles. In a storage pouch. India.

No. 29067 \$4.00 set

Spring Hooks



No. 29811

No. 29812

For grabbing and manipulating the ends of springs, wires, and other small parts. Taiwan.

No. 29811 \$4.00 each

No. 29812 \$4.00 each

Tools & Equipment: Jewelers Tools

Jeweler's Annealing Tool-Closeout



Hard to find French made tool used by watchmakers and jewelers to draw temper from balance staffs without discoloring the wheel. Was \$35.00.

No. 00466 \$18.00 each

Jump Ring Tool-Closeout



Used to make jump rings. Was \$4.50.

No. 00227 \$2.00 each

Roller Jewel Inserter-Closeout



Hard to find nicked tool. 3-3/4" L. Knurled handle. Adjustable gripping with a sliding mechanism to lock. Was \$20.00.

No. 33719 \$10.00 each

Tools & Equipment: Measuring Tools & Gauges

Bulls-Eye Level



1-1/8" diameter acrylic level mounted on 1-3/4" base. Levels in all directions. With mounting holes. China.

No. 29161 \$2.50 each

Clock Level



Bubble level is 1-1/2" long.

No. 11703 \$1.50 each \$16.20/12

Caliper-Brass



Notched jaws for inside and outside metric and inch measurements. 4" long. India.

No. 13789 \$5.00 each

119

Tools & Equipment: Measuring Tools & Gauges

Caliper-Dial



0-6". Stainless steel. Covered rack for dust free operation. Measures inside, outside and depth. Adjustable dial reads to .001". Convenient thumb roll. With a protective storage case.

No. 15483 \$26.00 each

Caliper-Digital



Economical alternative to higher priced calipers. 4" (100mm) range. Digital display in inches and millimeters. Accurate to +/- .01". Lightweight carbon fiber composite. Runs on a watch cell, included. China.

No. 29382 \$17.50 each

Fractional Caliper



Carbon fiber with LCD display. 4" (100mm) range. Displays inches in decimals or fractions as small as 64ths (Example: .50" or 1/2"). Displays millimeters in decimals. Accurate to +/- 0.01". Runs on a cell battery provided. China.

No. 29943 \$25.00 each

Caliper-Digital



Measures inside, outside and depth in millimeters and inches. Jaws measure 0-150mm/0-6". Accurate to .01mm/.001". Includes zero feature, thumb roller and carrying case. China.

No. 17738 \$19.50 each

Digital Micrometer



As knurled handle is rolled, the measurement shows on digital display. Carbide measuring face. Positive locking unit. Spanner wrench included. Wood box. China.

No. 12160 01mm-25.00mm \$34.50 each

Micrometer



Economical. 0-1" readings. Wood box. India.

No. 17632 \$18.00 each
120

Screw Pitch Gauge



Determine correct threads-per-inch on any threads, inch or metric. Hardened spring steel blades. China.

No. 29939 for threads/inch 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 34, 36, 40, 42.

No. 29940 for metric threads/inch 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.60, 0.70, 0.75, 0.80, 0.90, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0mm
\$6.50 each \$12.00/2 (\$6.00)

Chek'R-Heavy Plastic Screw



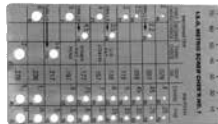
- Measures #1 (.073") Thru 5/16" (.312") Diameters
- Measures Length Up To 3"
- Indicates Tap Series and Threads Per Inch
- Indicates Clearance Drill Size and Tap Drill Size

No. 15982 Inches

- Measures 2mm (.079") Thru 7mm (.276") Diameters
- Measures Length Up To 60mm (2.36")
- Indicates Tap Series and Thread Pitch
- Indicates Clearance Drill Size and Tap Drill Size

No. 15983 Metric
\$8.00 each \$15.50/ 2 (\$7.75)

Chek'R-Metal Screw



Precision threaded tools identify thread size, straighten bent screws, clean rusty or damaged threads, and hold screws while cutting, drilling or altering head. Heavy chrome plated steel. Same sizes as **No. 15982** and **No. 15983**.

No. 18499 Inches \$25.00 each

No. 18700 Metric \$26.50 each

Hand Held Scale

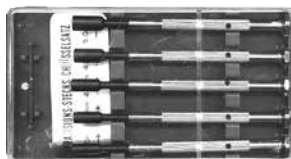


Designed for luggage, but suitable for clock weights up to 75 lbs. With dial stops. Locks for easy reading. Resets to zero with a twist. Comes with tape measure. Metal and plastic body. 4" x 3" x 1-1/2".

No. 30472 \$8.00 each

Tools & Equipment: Nut Drivers & Wrenches

Nut Drivers-Metric 5-Piece Set



Tempered blades. Nickel plated handles. With T-bar for extra torque. 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 4" long.

No. 17629 \$5.00 set

Nut Drivers-7-Piece Set



Color coded. Includes 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2". Chromed and hardened steel. 5-3/4" long.

No. 15371 \$13.00 set

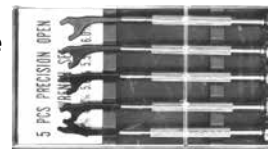
Power Nut Driver Set



14-piece set for power tools. 7 inch sizes (3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16") and 7 metric sizes (5mm, 5.5mm, 6mm, 7mm, 8mm, 10mm, 12mm). China.

No. 30459 \$5.00 set

Wrenches Metric 5-Piece Set



Anodized tips with nickel plated handles. 4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm.

No. 17627 4" Long \$5.00 set

Tools & Equipment: Oilers & Related

Capillary Oiler



Plastic oiler with a 1" fine metal tip. India.

No. 15877 \$1.50 each

Dip Oiler



2-1/4" long with 1/2" needle. India.

No. 18420 \$2.00 each

Dip Oiler Set



Set of 3 dip oilers. India.

No. 23295 \$5.00 each

Dip Oiler Set



4 color coded oilers apply varying amounts of oil. Swiss.

No. 13428 \$12.50 set

Dip Oiler Set-5-Piece



Black 0.20mm, Red 0.30mm, Blue 0.40mm, Green 0.50mm and Yellow 0.80mm. India.

No. 32886 \$7.50 set

Clock Oiler



Refillable plastic dispenser with a 2-1/4" metal tip. Contains 15cc of clock oil.

No. 23309 \$2.50 each

Empty dispenser only.

No. 29344 \$2.25 each

Tools & Equipment: Oilers & Related

Precision Oiler-Refillable



Refillable. Aluminum body. Screw-on cap with pocket clip. 5-5/8" long. The button actuator allows exact placement of oil. 2.5mm (.098") inside diameter. Oil not included.

No. 23462 **\$11.25 each**

Precision Hypodermic Oilers



.023" diameter needle won't cut into materials. 2cc capacity. 4-1/4" long.

No. 13527 **\$3.00 each**

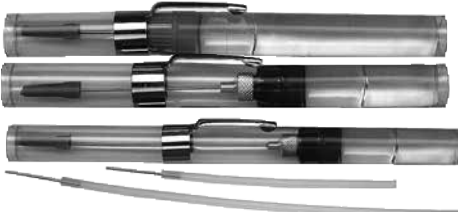
Clock Oiler Set



One of each size **No. 13717**, **No. 13839** and **No. 19878**. With clear caps and pocket clips.

No. 32320 **\$5.75 set**

Precision Pen Oilers



Filled with clock oil that inhibits corrosion. Refillable. Great as giveaways. USA.

No. 13717 1" Long Needle .25 Oz.
\$1.85 each **\$21.00/ 12 (\$1.75)**
\$82.50/ 50 (\$1.65)

No. 13839 .. 2-1/4" Long Needle .25 Oz.
\$2.00 each **\$22.20/ 12 (\$1.85)**
\$87.50/ 50 (\$1.75)

No. 19878 .. 3-3/8" Long Needle .25 Oz.
\$2.25 each **\$24.00/ 12 (\$2.00)**
\$92.50/ 50 (\$1.85)

Empty dispensers only.

No. 29341 1" Long Needle **\$1.70**

No. 29342 .. 2-1/4" Long Needle **\$1.85**

No. 29343 .. 3-3/8" Long Needle **\$2.10**

Empty Dispensers Only Assortment

One each of above.

No. 32472 **\$5.00 pack**

Precision Oiler Extensions

Slip them onto the tips of our precision pen oilers and extend the working length.

No. 18491 .. 4-1/2" Extension **75¢ each**

No. 18492 8" Extension **75¢ each**

12 Piece Oiler Extension Assortment

6 pieces of each of the 2 sizes listed above.

No. 32485 **\$7.50 pack**

Sewing Machine Oiler



Contains .25 ounces of a clear oil specifically used for sewing machines, shearing stations, etc. 1" long needle.

No. 33573 .. **\$2.25 each** **\$24.00/ 12 (\$2.00)**

Oil Cups

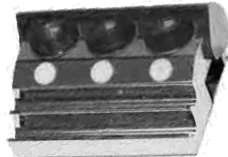


Plastic with a cover. India.

No. 15875 1 Reservoir **\$2.50 each**

No. 15876 3 Reservoirs **\$3.00 each**

Oil Cups & Holder



Heavy nicked base with 3 glass cups. Retractable cover prevents contamination. 3 oiler and 2 grooved holders.

No. 22857 **\$19.50 each**

Tools & Equipment: Optical & Magnification

Magnification Facts:

Relationship of focal length (working distance) to magnification:

5"	=	2X Magnification
4"	=	2.5X Magnification
3-1/2"	=	2.8X Magnification
2-1/2"	=	4X Magnification
2"	=	5X Magnification
1"	=	10X Magnification

Aluminum Inspection Mirror



6-1/2" long. 7/8" diameter. India.

No. 15479 **\$3.00 each**

Triple Magnifier-10X



Plastic with 3 lenses. 10X total. India.

No. 20001 **\$3.00 each**

Illuminated LED Jeweler's Loupes



On/off switch. Operates on 3 cell batteries, included. Protective plastic case.

No. 29995 ...18mm lens 10X **\$7.50 each**

No. 29996 ...21mm lens 20X **\$8.00 each**

Triplet Diamond 10X Loupe



Corrected for spherical and chromatic aberrations. Anodized metal body. Leather case.

No. 14340 **\$12.00 each**

Eye Loupes



Black plastic/ Ground plastic lens. India.

No. 15872 At 3-3/8" Distance 3X

No. 15874 At 3" Distance 4X

No. 18213 At 2" Distance 5X

No. 18214 At 2-1/2" Distance 7-1/2X

No. 18215 At 1" Distance 10X

\$1.50 each **\$3.75/ 3 (\$1.25)**

Aluminum Eye Loupes-4 Piece Set

NEW



Color coded set with headband. Blue (2.5x), Red (5x), Green (7.5x) and Yellow (10x). India.

No. 34050 **\$9.50 set**

Aluminum Eye Loupes-4 Piece Set



2.5x, 5x, 7.5x and 10x loupes. 22mm glass lens diameter. In a plastic storage container. China.

No. 32425 **\$8.50 set**

Eye Loupe Assortment-5 Piece Set



Plastic loupes: 2.5X, 3X, 5X, 7X and 10X. India.

No. 32805 **\$5.00 set**

Double Lens Eye Loupes



2 lenses for increased magnification. India.

No. 18769 10X **\$2.00 each**

No. 30490 15X **\$2.00 each**

Collapsible Eye Loupe



Plastic body. 22mm plastic lens. Collapses from 7/8" height to 5/16". Plastic storage box.

No. 33676 2-1/2X **\$2.50 each**

Loupe Headband

Loupe
Not
Included



Spring wire band holds loupes in place. India.

No. 29383 **\$2.50 each**

Flip Up Loupe



Clips onto your glasses. India.

No. 23450 2X **\$3.50 each**

No. 12698 3X **\$3.50 each**

No. 16576 5X **\$3.50 each**

No. 18437 10X **\$3.50 each**

3-Piece Flip Up Loupe Assortment

One each of 2X, 5X and 10X.

No. 32400 **\$9.50 pack**

Hands Free Loupe



Plastic frame. Directional LED illuminates viewing area. Runs on 2 cell batteries, included.

No. 32012 .. Double Loupe 10X **\$9.50**

Economical Clip On Loupes



Use on either side of your glasses. India.

No. 15680 3.3X **\$6.50 each**

No. 32097 5X **\$6.50 each**

No. 32099 10X **\$6.50 each**

Tools & Equipment: Optical & Magnification

Economical Clip On Loupes



Spring loaded clamp holds loupe on glasses. 24mm glass lens. Aluminum body. Adjustable length. Clips either side of glasses. China.

No. 20762 3X/3.3X = 6.6X total **\$7.50**
No. 32426 5X/5X = 10X total **\$7.50**
No. 32427 .. 7.5X/7.5X = 15X total **\$7.50**
No. 32428 10X/10X = 20X total **\$7.50**



Three 22mm glass lenses, each with 3.3X for a total of 9.9X. Aluminum body. Adjustable length. Clips on either side of glasses. China.

No. 32429 **\$9.00 set**

Eyeglass Loupes



Ultra light precision ground plastic loupes pivot out of the way when not in use. Changeable cams fit a variety of frames.

No. 23457 3X Single **\$28.50 each**
No. 23456 5X Single **\$28.50 each**
No. 23458 4X & 7X Double **\$34.00 each**

Auxiliary Lens



1-1/8" diameter plastic lens is 2X power. Attaches to your binocular magnifier. India.

No. 23909 **\$3.50 each**

Optiloupe



Fits on either side of the Optivisor for an additional 2-1/2X power.

No. 13844 **\$14.00 each**

Deluxe Optivisors



Adjustable padded headband. The polished and ground prismatic glass lens can pivot out of the way. Fits over glasses. USA.

	Working Distance	Power	
No. 13793 ...	14"	1-3/4X	\$58.00 each
No. 13794 ...	10"	2X	\$58.00 each
No. 13795	8"	2-1/2X	\$58.00 each
No. 13848	6"	2-3/4X	\$58.00 each
No. 13849	4"	3-1/2X	\$58.00 each

Optivisor Lens Headset



Complete headset without a lens.

No. 19446 **\$30.00 each**
122

Optivisor Replacement Lens Plates



Fits the Optivisor. Glass.

	Power	Working Distance	Lens #
No. 14862	1-3/4X	14"	#3
No. 14884	2X	10"	#4
No. 14863	2-1/2X	8"	#5
\$36.50 each			
No. 14864	2-3/4X	6"	#7
No. 14865	3-1/2X	4"	#10
\$38.50 each			

Optivisor Headband



Replacement headband for the Optivisor.

No. 23460 **\$16.00 each**

Optivisor Visor Light



Visor
Not
Included

Adjustable, hands-free light attaches to Optivisors. Xenon 6000 laser beam illuminates for 5+ hours. With 42" cord to attach to a pocket or belt. Two "AA" batteries not included.

No. 20418 **\$31.50 each**

Binocular Magnifier



Optical quality acrylic scratch resistant prismatic lens. Flip up and down. Adjustable headband. Economical alternative to higher priced brands with no loss in quality. USA.

	Focal Length	Power	
No. 23875	14"	1-3/4X	\$16.50 each
No. 23876	8"	2-1/4X	\$16.50 each
No. 23877	6"	2-3/4X	\$16.50 each

Illuminated Head Magnifier



Coated acrylic lens. Multiple magnification of 1.5X to 10.5X possible by combining 2 lenses (1.5X fixed and 1.5X flip-up) and a 7.5X loupe. 2 bright LED bulbs to illuminate viewing area. Adjust beam with tilt and angle controls. Adjustable head strap with dial control. Requires 2-AAA batteries, not included. China.

No. 32016 **\$11.50 each**

Illuminated Head Magnifier



1X, 1.5X, 2X, 2.5X and 3.5X coated acrylic lenses measure 3-1/4" x 1". 2 bright LED bulbs. Black plastic body with adjustable head strap and rubberized grip. Adjustable lens holder. Runs on 3 button cell batteries, included. China.

No. 32141 **\$14.00 each**

Table Lamp



6-3/4" tall 12-LED lamp is great for work area. Black and silver plastic body. Adjustable pivoting neck directs bright light where you need it. Requires 3-AA batteries, not included. On/off switch. China.

No. 31083 **\$5.50 each**

Head Lamp



8 LED bulbs. Adjustable head strap. Silver and black plastic. 4 functions include 2, 4 and 8 bulbs on. 4th function is 8 bulbs on flashing. China.

No. 32015 **\$5.00 each**

Tools & Equipment: Pin Vises

Pin Vise 4-Piece Set



4 piece black oxidized single collet pin vise set. Size capacity from 0 to 4.8mm (3/16"). India.

No. 19685 4 Piece Set **\$10.50 set**

Sold in individual sizes:

No. 16544 0mm to 0.8mm **\$3.00 each**
No. 18465 . 0.8mm to 1.3mm **\$3.25 each**
No. 18872 . 1.3mm to 3.1mm **\$3.50 each**
No. 18958 . 3.1mm to 4.8mm **\$4.00 each**

Brass Collet 9-Piece Set



Use with drills, burrs, bead reamers, files, etc. 4-3/4" aluminum storage handle. 7 collets include 0.8-1.0mm, 1.3-1.5mm, 1.8-2.0mm, 2.2-2.4mm, 2.8-3.0mm and 2 pieces of 3.0-3.2mm. With a coned diamond burr and a collet holder.

No. 32417 **\$11.00 set**

Pin Vise Sets



4 piece sets with chucks measuring 0-1/32", 1/32"-1/16", 1/16"-3/32" and 3/32"-1/8". Chrome plated brass. In wood storage boxes. China.

No. 32413 . Double Mouth Pin Vises **\$14.00**
No. 32414 ... Swivel Head Pin Vises **\$16.50**
No. 32415 Sliding Chuck Pin Vises **\$17.00**

Heavy Duty Pin Vise



6" long. Extra sturdy. Plastic handle. Adjustable throat holds up to 1/4" diameter. India.

No. 23772 **\$10.50 each**

Tools & Equipment: Pin Vises



Nickel plated. Reversible jaws. 4" long.
No. 13424 \$3.50 each



Nickel plated with 2 collets. 4" long. India.
No. 16537 \$3.00 each



Nickel plated. 2 collets. American pattern. 4-3/8".
No. 16538 \$3.50 each



Brass. Square mouth, Extra collet. 3-1/2". India.
No. 29932 \$3.50 each



3" long. Brass body. Square mouth. For broaches.
No. 29933 \$4.00 each



Nickel plated. Thin single mouth. 4" long. India.
No. 29934 \$3.00 each



Single collet. Knurled handle. 1.0mm max. 2-3/8" long. India.
No. 29466 \$2.00 each



French type 4" collet pin vise. Plastic handle.
No. 33675 \$5.00 each



Nickel plated with a sliding lock. 4-1/8" long. India.
No. 16540 \$3.00 each



Brass with a single collet. 3-3/4" long. India.
No. 16541 \$3.00 each



Wood handled with 2 collets. Largest opens up to 3mm. 2-7/8" long. India.
No. 29427 \$5.50 each



Nickel plated with large handle. 3" long. India.
No. 16542 \$3.50 each



Nickel plated with a swivel head and a double ended collet. 3-3/4" long. India.
No. 16543 \$5.00 each



3-1/2". Holds small parts up to .050". Knurled plastic body. Was \$2.50.
No. 33268 \$1.00 each

Tools & Equipment: Pivot Locators

Pivot Locator



9-3/8" long. India.
No. 15475 \$4.00 each

Pivot Locator



8" long with a knurled handle. India.
No. 20261 \$4.00 each

Pivot Locator



Push/pull type pivot locator with a comfortable wood handle. 8" long. India.
No. 21080 \$4.00 each

Tools & Equipment: Pliers

Mini Pliers Set-3-Piece Set



3" long. Includes a long, flat, and a round nose pliers. With single spring action. Plastic storage pouch. Rubber handles. Pakistan.
No. 29231 \$8.50 set

Pliers Kit-4-Piece Set



Stainless steel. Contains a flat nose, chain nose, round nose, and side cutting pliers in a plastic pouch. Box joint construction with cushioned grip handles. 4-1/2" long. India.
No. 14839 \$18.50 set

Mini Pliers



4-1/2". Rubberized spring loaded handles. Quality stainless steel. China.
No. 30482 Long Nose \$4.50 each
No. 30483 Round Nose \$4.50 each
No. 30484 Side Cutter \$4.50 each

Pliers-Bent Nose



5" stainless steel. Rubberized grip. Pakistan.
No. 32001 \$4.50 each

Pliers-Watch Case Closing



Parallel action pliers with circular rubber padded hinged jaws. 7-1/2" long. India.
No. 14950 \$20.00 each

Pliers-End Cutting-Closeout



Good quality. Lap joint. 4-3/4" long. Polished head. Serrated jaws. PVC handles. 1/16" tips for fine work. Spain. Was \$10.00.
No. 33627 \$4.00 each

Pliers-Brass Lined Flat Nose



Smooth brass lined jaws prevent marring surfaces. 5" long with 7/8" jaws. India.
No. 13608 \$7.00 each

Pliers-Flat Nose-Closeout



Good quality. Lap joint construction. 5" long. Polished head. Serrated jaws. PVC handles. Spain. Was \$10.00.
No. 33407 \$4.00 each

Pliers-Loop Closing



5-1/4" stainless. Rubberized grip. Pakistan.
No. 32003 \$6.50 each

Pliers-Parallel



Smooth jaws provide a vise-like grip. Nickel plated. 5" long. England.
No. 13444 \$36.50 each

Pliers-Ring Bending



One jaw is convex, the other concave for holding, straightening, and bending rings. 6-1/4" long. 5/16" wide jaw. India.
No. 13612 \$7.00 each

Pliers-Round Nose-Closeout



Good quality. Lap joint construction. 4-7/8" long. Serrated jaws. Spain. Was \$15.00.
No. 33585 \$4.00 each

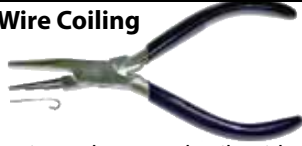
Pliers-Wire Bending



Notched tip bends wire held in channeled tip on other end. 5-1/4". Rubber grips. India.
No. 30499 \$8.50 each
123

Tools & Equipment: Pliers

Pliers-Wire Coiling



Make consistent loops and coils without damaging wire. Hold wire with the flat jaw while rotating the round jaw to form the perfect loop. Stainless steel, comfort grips, and a standard step jaw. 5-3/4" long.

No. 29090 **\$12.50 each**

Pliers Stand

*Pliers Not
Included*



12 hole finished wood stand holds 6 pliers or other 2-handled tools. 3-5/8" x 6-7/8". India.

No. 32811 **\$6.50 each**

Tools & Equipment: Power Tools & Accessories

Sherline Lathes & Mills

We offer the complete line of Sherline products. All Sherline lathes and mills are equipped with a new high torque DC motor and redesigned speed control. This drive unit is quieter and smoother with increased torque. Both machines are full featured and offer many accessories. The lathes include: New DC motor with speed control, pulleys, belt, face plate, lathe dog, two dead centers, two hex keys, tool post, high speed cutting tool, 3-jaw chuck, tailstock chuck and key, and instructions. The mills include: New DC motor with speed control and instructions. Call or visit our website for current pricing on all Sherline products.

Sherline products are drop-shipped directly from the manufacturer.

Sherline Miniature Milling Machines

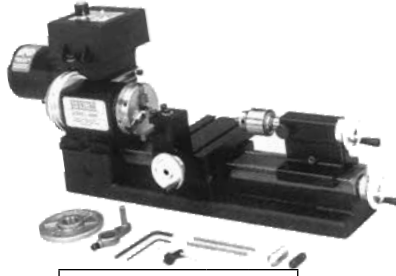


Mill Specifications	Inch	Metric
Table To Spindle Clearance	8.00"	203mm
Throat	2.25"	50mm
Travel "X" Axis	9.00"	228mm
Travel "Y" Axis	3.00"	76mm
Travel "Z" Axis	6.50"	165mm
Hole Through Spindle	.405"	10mm
Spindle Nose Thread	3/4-16 T.P.I.	
Spindle Taper	#1 Morse	
Handwheel Graduations	.001"	.01mm
Spindle Speed Range	70-3000 RPM	
Overall Width	14.50"	360mm
Overall Depth	12.00"	300mm
Overall Height	17.00"	430mm
Table Size	2.75" x 13"	70mm x 33mm
Hold Down Provision	(2) "T" Slots	
Shipping Weight	27 lbs.	12.3 kg.

No. 16498 **#5000 Inch \$674.75**

No. 16497 **#5100 Metric \$674.75**
124

Sherline Miniature Lathes



Lathe Specifications	Inch	Metric
Swing Over Bed	3.50"	90mm
Swing Over Carriage	1.75"	45mm
Distance Between Centers	8.00"	200mm
Hole Through Spindle	.405"	10mm
Spindle Nose Thread	3/4-16 T.P.I.	
Spindle Nose Taper	#1 Morse	
Cross Slide Travel	2.25"	57mm
Tailstock Spindle Travel	1.50"	38mm
Tailstock Spindle Taper	#0 Morse	
Protractor Graduations	0° To 45° By 5°	
Handwheel Graduations	.001"	.01mm
Spindle Speed Range	70-3000 RPM	
Length Overall	18"	460mm
Width Overall	7-1/2"	190mm
Height Overall	6"	150mm
Shipping Weight	20 lbs.	9.1 kg

No. 16500 **#4000A Inch \$699.50**

No. 16499 **#4100 Metric \$699.50**

Mini Drill Press



110 volt, 100 watt, 60 HZ. 25mm (1") stroke. 0-8500 RPM. Maximum drilling diameter in steel is 1/8", 1/4" in non-metallic materials. 8" maximum distance between main axle and to worktable. Includes drill chuck and instructions. 11 pounds. 12"T x 9-1/4"W. China.

No. 10305 **\$96.50 each**

Mini Bench Polisher



2,000 to 7,000 RPM variable speed. 0-18mm arbor size. 3" polishing wheel (2 cotton wheels included). Anti-vibration pads. Cast iron base measures 5" x 11". With table clamp. 0.9 amp capacity. 110AC, 60 Hz, 200 Watts. 3-prong power plug. UL wire. China.

No. 32431 **\$85.50 each**

Lathe Steady Rest-Keystone



Designed to fit the Sherline lathe. Light, thin and easy to use. Permits easy mounting.

No. 32920 **\$64.00**

Lathe Belting-Leather



Sold by the foot. Please specify length.

No. 30981 **5/64" (2mm) \$1.75 foot**

No. 17640 **1/8" (3mm) \$2.00 foot**

Lathe Belting-Plastic

Join at ends by heating a flat spatula over flame with ends of the belt touching the spatula. Remove spatula to form a strong, smooth running, endless belt. Sold in 3 foot lengths.

No. 14321 **1/8" Dia. \$3.00 roll**

No. 18220 **3/16" Dia. \$4.00 roll**

Lathe Belting-Green Polycord

Premium quality with a non-slip surface. Easily joined with heat. 3 foot lengths.

No. 19511 **3mm Dia. \$5.25 roll**

No. 19512 **5mm Dia. \$10.50 roll**

Lathe Pivot Polishing Arbor Set



Set of 10 arbors in a wood storage box. Arbors have a recessed flat half-round end to support pivots for polishing and are held in the lathe tailstock with a 5/16" or #80 collet. For pivot sizes .024" to .116" (0.6-2.9mm). USA.

No. 32146 **\$67.50 set**

Tools & Equipment: Prying & Punching

Pry Bars



2 piece set of pry bars with knurled handles for removing hands or pinions.

No. 32796 **4" long \$18.00 set**

No. 23311 **5-1/8" long \$22.00 set**

No. 30492 **8" long \$26.00 set**

Centering Punch



Steel with a knurled handle. 4" long. India.

No. 13446 **\$3.00 each**

Centering Punch-Automatic



Adjustable for hard or light stroke. 5-1/2" long. Aluminum with steel point.

No. 13445 **\$7.50 each**

Power Punch Kit



7 sets of punches and dies hardened to C-50-52. Sizes 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, and 9/32 will pierce up to 16 gauge steel. In a molded plastic carrying case.

No. 23813 **\$37.50 kit**

Punch Set-Hole Closing

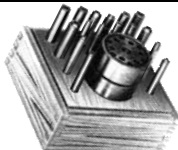


Seven spring loaded punches. Reduces the diameter and hardens bushing holes. India.

No. 13415 **\$46.50 set**

Tools & Equipment: Prying & Punching

Clock Punch & Staking Set



16 assorted hardened steel punches with a large steel anvil/riveting stake. Housed in a polished hardwood storage stand, India.

No. 15478 \$59.50 set

Tools & Equipment: Reamers & Countersinks

10 Piece Diamond Reamer Set



Various sizes for opening holes up to .088" diameter. Hold in a pin vice or drill. 2" long with a diamond length of approximately 1". China.

No. 29069 \$4.00 set

Reamer & Countersink



3/4" five flute tool steel cutter for brass plates. Deburrs and countersinks. 5" long, USA.

No. 18701 \$11.00 each

Reamer-Tapered



3/16" to 1/2" capacity. Hardened and ground steel, India.

No. 13528 \$6.50 each

Deburring Tool



5-1/2" long pen-type tool with pocket clip. Swiveling hardened steel blade easily removes burrs from component edges, India.

No. 33469 \$7.00 each

Tools & Equipment: Sanding & Polishing

3M™ Micro Paper Strips



NEW

Fine abrasive micron graded aluminum oxide resin strips bonded to a polyester film backing. 3 foot lengths, 5/8"-3/4" wide. Can be glued to wood sticks or blocks for easy fine finishing.

No. 33728 9 Grit \$1.50 roll
No. 33729 15 Grit \$1.50 roll
No. 33730 20 Grit \$1.50 roll
No. 33731 30 Grit \$1.50 roll
No. 33732 40 Grit \$1.50 roll
No. 33733 60 Grit \$1.50 roll

Half Round Sanding Buff 6 Piece Assortment



#6/0, #4/0, #3/0, #2/0, #1 and #2 sizes in assortment.

No. 33966 \$11.50 pack

Half Round Sanding Buffs



Tapered 3/4" x 9-1/4" wood. 4-1/4" sanding surface, India.

No. 33660 Finest 6/0
No. 33661 4/0
No. 33662 3/0
No. 33663 2/0
No. 33664 1/0
No. 33665 1
No. 33666 2
No. 33667 Coarsest 3
\$3.00 each \$8.25/3 (\$2.75)

Sanding Buffs



Emery paper glued to wood sticks. 10" long and 7/8" wide, India.

No. 29224 Finest #6/0
No. 29223 #5/0
No. 13570 #4/0
No. 13571 #3/0
No. 13572 #2/0
No. 13573 #1/0
No. 13574 #1
No. 13575 #2
No. 13576 #3
No. 29225 Coarsest #4
\$1.00 each \$5.10/6 (85¢)

10-piece assortment (1 each of above sizes).

No. 33174 \$8.00 pack

Felt Sticks-Set Of 4 Pieces



Wool on wood sticks. Use to polish. 12mm square x 100mm long (7/16" x 4"). India.

No. 33672 \$2.50 set

Arkansas Stone



8.6mm (.340") triangular oil stone, India.

No. 12363 \$12.00 each

Emery Paper



9" x 11". Use on sanding buffs, India.

No. 32077 Finest #6/0 75¢ each
No. 32078 #5/0 75¢ each
No. 32079 #4/0 75¢ each
No. 32080 #3/0 75¢ each
No. 32081 #2/0 75¢ each
No. 32082 #1/0 75¢ each
No. 32104 #220 75¢ each
No. 32103 #150 75¢ each
No. 32102 #120 75¢ each
No. 32101 Coarsest #100 75¢ each
\$3.00/6 (50¢)

Wood Mandrel For Emery Shells-Closeout



3/4" diameter tapering to 1/4" x 4-5/16" long with 3/16" mounting hole, India. **Was \$1.50.**

No. 33375 50¢ each

Pegwood-Italy



NEW

10-piece packs. Better quality, Italy.

No. 33793 2.0mm Dia. \$5.50 pack
No. 33794 2.5mm Dia. \$5.75 pack
No. 33795 3.0mm Dia. \$6.00 pack
No. 33796 4.0mm Dia. \$7.00 pack
No. 33797 5.0mm Dia. \$8.00 pack
No. 33798 6.0mm Dia. \$9.00 pack

Pegwood-India



Can be sharpened to a point. No. 23452 has 24 5-3/4" sticks, No. 29485 has 10 pieces, India.

No. 23452 3.30mm Dia. \$4.00 pack
No. 29485 5.00mm Dia. \$4.00 pack

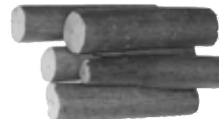
Pithwood



10-piece assortment. Various sizes, India.

No. 15812 \$3.50 pack

Pithwood



Five 4" long sticks in various diameters, India.

No. 22933 \$3.50 pack

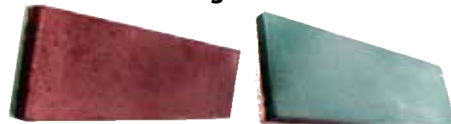
India Stone



4" x 1" x 1/2" thick aluminum oxide stone for sharpening gravers.

No. 20016 \$8.00 each

Jeweler's Polishing Stone

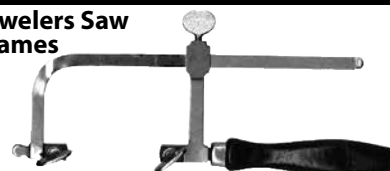


7/16" T x 5" L. Red is finer than green, India.

No. 31011 Red \$7.50 each
No. 31012 Green \$8.00 each

Tools & Equipment: Saws & Related

Jewelers Saw Frames



Serrated clamps hold blades firmly. Adjustable to allow blade to be drawn tight and to reuse broken blades, India.

No. 13438 2-1/4" Deep \$12.00 each
No. 13587 3" Deep \$12.00 each
No. 13588 4" Deep \$13.00 each
No. 13437 5" Deep \$14.00 each

Adjustable Jeweler's Saw Frame-Closeout



Wood handle, 4". France. **Was \$18.50.**

No. 33318 \$8.00 each

3" Depth Non-Adjustable Saw Frame-Closeout



Wood handle with fixed frame. **Was \$9.50.**

No. 33345 \$3.00 each

Tools & Equipment: Saws & Related

Saw Blade Assortment



72 piece assortment. 5-1/4" blades fit a 6" saw. 12 pieces each: 4/0, 3/0, 2/0, 0, 1, 2 and 3. India. **No. 31008 \$4.50 pack**

144-Piece Jeweler's Saw Blade Assortment



5-1/4" blades to fit 6" saw. 24 pieces each of sizes 4/0, 3/0, 2/0, 0, 1 and 2. India. **No. 29250 \$7.50 pack**

Saw Blades

Hardened and tempered alloy steel. 5-1/4" long. Sold in 12 packs. India.

No. 24670 ..(Finest)....#6/0	\$3.00 pack
No. 24671 .....#5/0	\$3.00/pack
No. 13539 .....#4/0	\$2.65 pack
No. 13540 .....#3/0	\$2.40 pack
No. 13541 .....#2/0	\$2.40 pack
No. 13542 .....#0	\$2.40 pack
No. 13543 .....#1	\$2.40 pack
No. 13544 .....#2	\$2.40 pack
No. 13545 .....#3	\$2.40 pack
No. 13546 .....#4	\$2.45 pack
No. 13547 .....#5	\$2.65 pack
No. 13548 ..(Coarsest)..#6	\$2.90 pack

#3 Saw Blades-Closeout

German made hardened and tempered alloy steel. 5-1/8" long. **Was \$12.50.**
No. 01549 \$3.00 gross

Tools & Equipment: Scissors & Snips

Jeweler's Shears-Closeout



New old stock. Rugged 7-1/4" long straight blade model for cutting metals and other materials. 1-1/8" cutting edges. **Was \$20.00.**
No. 33349 \$6.00 each

Combination Snip-Closeout



5-3/4" long. Rubberized grips. Top lock. Great for cutting wire, sheet metal, paper, textiles, leather, etc. Germany. **Was \$17.50.**
No. 33366 \$6.00 each

Tools & Equipment: Scrapers, Scribes & Scratch Awls

Engraver Pen



Identify your property. 7" diamond point plastic engraver. Works on metal, plastic, glass and wood. With 3 different points. Runs on 2 AA batteries, not included.

No. 32453 \$5.00 each
126

Scriber Set



2-piece set. Ring and hook scriber with hardened points. 8-1/2" long. Colored anodized knurled aluminum grips. China.

No. 29066 \$3.00 set

Scriber/Burnisher



Nickel steel. 7" long. India.

No. 32801 \$3.00 each

Scriber-Carbide



For marking metal. 4-1/2" long. India.

No. 13478 \$4.00 each

Scratch Awl



7" chrome vanadium blade, Hardwood handle.

No. 16673 \$2.00 each

Tools & Equipment: Screwdrivers & Related

Screwdriver-Slotted Wood Handle-Closeout



Good quality Master brand. Blade measures .040" thick x .260" wide on #33343 and #33354 and .044" x .305" on #33584. **Was \$4.00.**

No. 33343 8-3/8" Long \$1.00 each

No. 33354 9-1-2" Long \$1.00 each

Was \$6.50.

No. 33584 13" Long \$2.00 each

Screwdriver-Slotted Fixed Head-Closeout



Nickel steel. 2-5/8" long. Knurled body for easy grip. Blade size shown. **Was \$1.00.**

No. 33267 1.2mm 25¢ each

No. 33266 2.0mm 25¢ each

Screwdriver-Slotted Swivel Head-Closeout



Nickel steel. 2-7/8" long handle. Knurled body for easy grip. Blade size shown. **Was \$1.00.**

No. 01319 0.6mm 25¢ each

No. 01323 1.4mm 25¢ each

5-Piece Precision Screwdriver Set



Chromed vanadium. Large swivel heads. USA. Includes #00, #0, #1 Phillips, 3/32", 1/8" slotted.

No. 19520 \$21.00 set

5-Piece Screwdriver Set



Reversible, flat blade screwdrivers with swivel heads in a plastic box. .80mm, .90mm 1.0mm, 1.20mm and 1.40mm. India

No. 17621 \$2.50 set

5-Piece Phillips Screwdriver Set



Color coded anodized heads. With extra blades. Plastic storage pouch. 1.80mm to 3.00mm sizes. India.

No. 10063 \$4.50 set

6-Piece Super Long Screwdriver Set



Color coded. 3-3/4" plastic handles. One Phillips and one slotted driver each in 6-1/2", 7-1/2" and 9-1/2" lengths. China.

No. 14503 \$3.00 set

6-Piece Screwdriver Set



Flat blade screwdrivers in a hard wood box. Swivel heads. Sizes #1 to #6. India.

No. 17623 \$9.50 set

9-Piece Screwdriver Set



Knurled precision screwdrivers are 3-1/4" long. Jewelers sizes. Flat hardened blades. Plastic storage pouch. India.

No. 29160 \$8.00 set

9-Piece Screwdriver Set



Color coded. Flat blades. Sizes .50mm to 2mm with extra blades. Hardwood box. India.

No. 17622 \$17.50 set

9-Piece Screwdriver Set On A Base



Swivel heads. Color coded. With spare blades. .50mm thru 2.00mm. Flat blades. India.

No. 16971 \$17.50 set

9-Piece Screwdriver Set-Jewelers, Watchmakers & Clockmakers



Precision color coded screwdrivers in a rotating stand. Hex heads with set screws. Blade widths from 0.60mm through 3.0mm. Includes extra blades and set screws. France.

No. 13474 \$66.00 set

Tools & Equipment: Screwdrivers & Related

Replacement Screwdriver Blades



For **No. 13474** and others. 9 blades .60mm through 3.0mm. India.
No. 13475 **\$5.00 set**

Universal Screw & Nut Grabber



Expandable jaws grip small size and shape lock nut, hex nut, cap nut or round nut. Doubles as a screw starter. Grips the smallest screws. 3-3/4" long. Pakistan.
No. 33442 **\$11.00 each**

Screw Starter-Cross Point (Phillips)



For starting and removing screws from #6 through 1/4". 5" long. USA.
No. 18713 **\$8.75 each**

Screw Holding Screwdriver



Grips small screws in claws while tightening or loosening. 4-3/4" long. Aluminum knurled handle. Plunger action. India.
No. 10762 2.2mm Slotted **\$9.00 each**

Screw Holding Screwdrivers



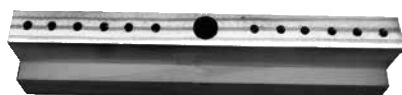
Holds and starts screws. The metal tube around the blade adds strength. Plastic handle. USA.
No. 19325 .. For #0-80 & Larger **\$10.25**
No. 13553 .. For #4-40 5" Long **\$10.50**
No. 13552 .. For #4-40 10" Long **\$11.50**

Screwdriver Blade Sharpener



Sharpen broken or dull screwdriver blades by rolling the tool over an Arkansas stone (not included). India.
No. 13529 **\$4.00 each**

Wood Tool Stand



Holds your most used tools. 13 holes. 8" long x 1-1/2" wide x 1-1/2" tall.
No. 15410 **\$5.00 each**

Tools & Equipment: Soldering Supplies

Soldering Pad-Asbestos Free



High purity ceramic with a temperature tolerance to 2000°F. Resistant to molten metals, most chemicals and solvents. Protects workbenches. Cools in minutes. 6" x 6" x 1/2. India.
No. 14331 **\$15.00 each**

Solder Pik



Special alloy prevents sticking and contamination. For all precious metals. 7" long. India.
No. 14880 **\$4.00 each**

Solder Wire Set



Contains 4 coils. Alloy: 40% tin and 6% lead. 1.2mm diameter. China.
No. 32088 **\$3.50 set**

Stay-Brite Silver Solder



Low temperature silver solder flows at 430°F. Flux is included. 0.5 oz. **NOTE:** Pricing subject to change based on fluctuating silver market.
No. 13727 **\$25.50 each**

Tix Solder



One of the hardest solders available. Melts at 275°F and holds 4300 lb. per square inch. Will not tarnish. 20-3" sticks in a package.
No. 13769 **\$14.00 pack**

Tix Anti Flux



Limits the spread of solder to unwanted areas. Protects previously soldered joints.
No. 14971 1/2 oz. **\$4.00 each**
No. 17862 2 oz. **\$6.00 each**

Tix Flux



Non-corrosive and harmless to hands or clothing. Washes off with water.
No. 13770 1/2 oz. **\$4.00 each**
No. 17861 2 oz. **\$6.00 each**

Flux Dispenser



Press pump. 2" square plastic body with metal cap. 4-3/8" tall. 150 ml capacity. India.
No. 33673 **\$9.50 each**

Solder-It™ pastes are fast and easy to apply with a match, lighter, soldering iron or torch. 5 times stronger than ordinary solder. Flux is blended in. No distortion. Stress and vibration resistant. In a convenient, no-waste 7.1 gram syringe.

Silver Bearing Solder Paste



Solders most metals. Flows freely and smoothly at 430°F. Excellent conductivity. Tensile strength: 10,000 to 25,000 PSI.
No. 29294 **\$7.00 each**

Aluminum/Pot Metal Solder Paste



Great for cast parts. Safe in potable water applications. Solder-It™ paste works on aluminum to aluminum, aluminum to other metals, pot metal, white metal and pewter. Flows smoothly at 395°F, remelts at 650°F. Tensile strength: 10,000 to 25,000 PSI.
No. 29295 **\$7.00 each**

Alcohol Lamp



Glass. Adjustable wick for heating and melting. 3" tall x 2-1/2" square. India.

No. 13472 **\$8.00 each**

Replacement Wick

3/16" wick for **No. 13472** lamp.
No. 15661 **75¢ each**

Torch Micro-Butane



Small, powerful torch reaches temperatures of 2450°F. The piezo-electric igniter lights torch instantly. 45-65 minute burn time.

No. 18219 **\$28.00 each**

Soldering Iron



Solderpro™ 50 is a portable butane (not included) powered heating tool. The flint igniter is in the safety cap. Compact for access to tight areas. 30-minute burn time per fill. Visible fuel tank. 30W to 70W power range. 410°F to 750°F tip temperature. The cover converts to a stand to hold the iron.

No. 29303 **\$32.00 each**

Tools & Equipment: Taps, Dies & Related

Jeweler's & Watchmaker's Micro Taps

Hard to find high speed steel taps in the most common micro sizes. 13/16" long. China.

No. 27169 M 0.4 x 0.1 **\$12.50 each**
No. 27170 ... M 0.5 x 0.125 **\$12.50 each**
No. 27171 M 0.6 x 0.15 **\$12.50 each**
No. 27172 ... M 0.7 x 0.175 **\$12.50 each**
No. 27173 M 0.8 x 0.2 **\$12.50 each**
No. 27174 ... M 0.9 x 0.225 **\$12.50 each**

Taps & Tap Drills For Gong Bases



For drilling and tapping cast iron gong bases when installing new 6.5mm chime rods.

No. 18971 5.4mm Tap Drill **\$4.50**
No. 18969 6.5mm x 1 Tap **\$12.50**
No. 29856 M6.5x1.0 Die **\$15.00**

Tap Sets



4-piece tungsten steel set includes #00-90, #0-80, #1-72 and #2-56 taps.

No. 17604 **\$20.00 set**

5-piece tungsten steel set includes #2-56, #3-48, #4-40, #6-32 and #8-32 taps.

No. 17605 **\$24.00 set**
127

Tap, Dies & Tap Drills-Standard

Precision made. For use on clocks and watches in hard to find sizes.

Size	Die #	Die Price	Tap #	Tap Price	Tap Drill #	Drill Size	Tap Drill Price
00-90NF	No. 29638	\$9.00	No. 17575	\$6.00	No. 13505	#61	\$1.25
0-80NF	No. 17568	\$9.00	No. 17576	\$6.00	No. 13499	#55	\$1.25
1-72NF	No. 17569	\$9.00	No. 17577	\$6.00	No. 13497	#53	\$1.25
2-56NC	No. 17570	\$9.00	No. 17578	\$6.00	No. 13494	#50	\$1.25
2-64NF	No. 12518	\$9.00	No. 10837	\$6.00	No. 13494	#50	\$1.25
3-48NC	No. 17571	\$9.00	No. 17579	\$6.00	No. 17583	#47	\$1.25
4-40NC	No. 17572	\$9.00	No. 17580	\$6.00	No. 17584	#43	\$1.25
5-40NC	No. 12738	\$9.00	No. 10838	\$6.00	N/A	-	-
6-32NC	No. 17573	\$9.00	No. 17581	\$6.00	No. 17585	#36	\$1.25
8-32NC	No. 17574	\$9.00	No. 17582	\$6.00	No. 17625	#29	\$1.25

Tap, Dies & Tap Drills-Metric

Precision made. For use on clocks and watches in hard to find sizes.

Size	Die #	Die Price	Tap #	Tap Price	Tap Drill #	Drill Size	Tap Drill Price
M1.0x.25	No. 17586	\$12.50	No. 17594	\$7.50	No. 17551	0.75mm	\$1.25
M1.2x.25	No. 17587	\$12.50	No. 17595	\$7.50	No. 17555	0.95mm	\$1.25
M1.4x.30	No. 17588	\$12.50	No. 17596	\$7.50	No. 17556	1.10mm	\$1.25
M1.6x.35	No. 17589	\$12.50	No. 17597	\$7.50	No. 17557	1.20mm	\$1.25
M2.0x.40	No. 17590	\$12.50	No. 17598	\$7.50	No. 17561	1.60mm	\$1.25
M2.3x.40	N/A	-	No. 17599	\$7.50	No. 17562	1.70mm	\$1.25
M2.5x.45	No. 17592	\$12.50	No. 17600	\$7.50	No. 17565	2.00mm	\$1.25
M3.0x.50	N/A	-	No. 17601	\$7.50	No. 15992	2.50mm	\$1.25
M6.5x1.0	No. 29856	\$15.00	No. 18969	\$12.50	No. 18971	5.40mm	\$3.50

Tap & Die Set



5 taps with a corresponding die in millimeter sets. Economical quality. India.

No. 23910 .. 0.6mm to 1.0mm set \$5.00

No. 23911 .. 0.8mm to 1.2mm set \$5.00

No. 23912 .. 1.4mm to 1.6mm set \$5.00

Tap & Die Set



14 taps and a die in sizes 0.7mm to 2.0mm.

No. 23445 \$16.00 set

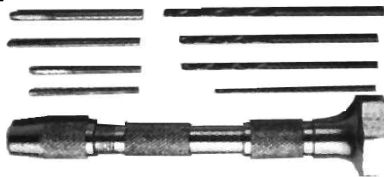
Tap & Die Set-Metric



31-piece set includes 2 taps for each die in sizes 1.0mm, 1.1mm, 1.2mm, 1.4mm, 1.6mm, 1.8mm, 2.0mm, 2.2mm, and 2.5mm. With a tap wrench, a die holder, and 2 die stock inserts. In a plastic storage box. Made in China.

No. 29406 \$82.50 set

Tap & Drill Set



Includes a swivel head tap holder, tungsten steel taps in sizes #00-90, #0-80, #1-72 and #2-56 and corresponding tap drills.

No. 17567 \$33.50 set

Tap Wrench



No. 17747 \$4.50 each
128

Die Stock



13/16" die stock.

No. 17749 \$5.00 each

Tools & Equipment: Tweezers

Tweezers-Genuine Ideal-Tek



Swiss made carbon steel. 5" long.

No. 31096 #1 \$22.00 each

No. 31097 #3 \$22.00 each

No. 31098 #3C \$22.00 each

No. 31099 #5 \$26.00 each

Tweezers

Anti-magnetic stainless tweezers. India.

No. 32791 #1 5" Long \$2.00

No. 32792 #2 5" Long \$2.00

No. 32793 #2A 5" Long \$2.00

No. 31026 #3 4" long \$2.00

No. 31027 #3C 4-3/4" long \$2.00

No. 32797 #4 4-3/4" long \$2.00

No. 31028 #5 5" long \$2.00

No. 23815 #5A 4-3/8" long \$3.50

No. 31029 #6 5" long \$2.00

No. 32798 #7 4-3/4" long \$2.00

No. 31030 #7A 4-3/4" long \$2.00

No. 32846 #8 6-3/4" long \$2.00

No. 32847 #9 5-1/4" long \$2.00

No. 32848 #10 6-1/2" long \$2.00

Tweezers-Ball



Stainless. Holds round shapes. 4-1/2" long. India.

No. 32849 2mm diameter \$3.00

No. 32850 3mm diameter \$3.00

No. 32851 5mm diameter \$3.00

Brass Tweezers

Brass tweezers. India.

No. 32799 #3 4-3/4" Long \$3.00

No. 32853 AA 4-3/4" Long \$3.00

No. 32854 AM 5" Long \$3.00

No. 32855 MM 5" Long \$3.00

Tweezers-AA Soldering

Solder will not stick. AA pattern. 5" long. India.

No. 13595 \$2.25 each

Tweezer-MM

5" nickel plated Boley style tweezer. India.

No. 29059 \$2.25 each

Tweezer-#7C Curved Tip

4-1/2" non-magnetic S/S. Great for detail work.

No. 29242 \$3.50 each

Tweezers-Cutting

5" flush face. For snipping small diameter wire and other parts. 3/8" cutting surface. S/S. India.

No. 23774 \$8.50 each

Tweezers-Diamond Style

6-1/2" long. Serrated fine tip. India.

No. 23444 \$2.50 each

Tools & Equipment: Tweezers

Tweezers-Heat Resistant



Heat resistant grips. 6-1/4". India.

No. 13596 Straight **\$3.00 each**
No. 13597 Curved **\$3.00 each**

Tweezers-Nickel Plated Steel Locking



6-3/4" cross locking tweezers. India.

No. 13602 **\$3.25 each**

Tweezers-Screw Holding



4-3/4". Hold and start screws. India.

No. 20486 **\$4.00 each**

Tweezers-Plastic



Won't rust. 5" non-magnetic, light weight and strong. Resists alcohol, acetone and solutions containing nitric acid. Perfect for handling watch batteries. India.

No. 14397 **\$1.00 each**

Tweezers-Soldering



Fiber grip with wire stand attachment for holding items stable. Particularly useful for soldering. 6-1/2" long. India.

No. 10149 **\$5.00 each**

Tweezers-Utility



For assembling movements or where long reach is necessary. India.

No. 13600 7" Straight **\$3.00 each**
No. 13601 .. 6-1/4" Curved **\$3.00 each**

Ultrasonic Tweezer



6-3/4" stainless steel. For submersing and extracting parts from ultrasonic tank. India.

No. 32832 **\$5.00 each**

Dumont Tweezers-Closeout

Precision tweezers favored by watchmakers and clockmakers. New, old stock. Magnetic stainless (Inox is stainless alloy). **Was \$36.00. Your choice at \$12.00.**

Slightly thicker tips than Pattern 1 tweezers.



No. 33248 Pattern P 5" Long

Rubis Swiss Tweezers-Closeout

Magnetic carbon steel. Inox alloy. Swiss.



No. 33144 Style H Short 3-1/2" Fine
Was: \$30.00 Now: \$10.00 each



No. 33253 Pattern 5 4-3/8" Long Super thin-tips
Was: \$20.00 Now: \$7.50 each

Quality 4-7/8" long. Non-magnetic stainless.



No. 33142 #11 Strong Point Tweezers
Was: \$36.00 Now: \$12.00 each



No. 33143 #12 Fine Point Tweezers
Was: \$36.00 each Now: \$12.00 each



No. 33254 . Pattern 3 5-1/8" Long Thin tips
Was: \$20.00 each Now: \$7.50 each



No. 33252 Pattern 3C 4-1/2" Long Short thin-tips
Was: \$20.00 each Now: \$7.50 each

Swiss Tweezers-Closeout

Carbon steel. Swiss. **Was \$17.50 each.**



No. 33256 Pattern 3 Anti-magnetic 5-1/8" Long



No. 33255 Pattern X Anti-magnetic 3-5/8" Long
\$5.00 each

French Pattern RR Tweezers-Closeout



Nickel magnetic carbon steel. 5-1/2" long. French. **Was \$12.50.**

No. 33257 **\$4.00 each**

India Tweezers-Closeout



4-3/4" stainless steel. Pattern BB. **Was \$4.50.**
No. 00516 **\$2.00 each**



4-1/4" carbon steel end cutting tweezers. D style. **Was \$2.50.**

No. 33146 **\$1.00 each**



4-1/2" stainless. 3B style. **Was \$3.00.**
No. 00723 **\$1.00 each**



4-1/4" stainless steel. Curved Tip. **Was \$4.00.**
No. 00515 **\$2.00 each**



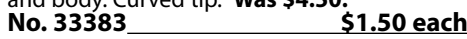
6-3/4" long. Magnetic stainless. Serrated tips and body. Curved Tip. **Was \$4.50.**

No. 33358 **\$1.50 each**



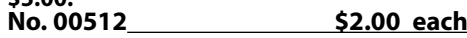
5-3/4" long. Magnetic stainless. Serrated tips and body. Curved tip. **Was \$4.50.**

No. 33383 **\$1.50 each**



6-3/4" stainless steel. Plain pointed tip. **Was \$5.00.**

No. 00512 **\$2.00 each**



6" long stainless steel long point tweezers. **Was \$6.00.**

No. 33296 **\$2.00 each**



5" general purpose stainless tweezer. **Was \$3.00.**

No. 00718 **\$1.00 each**



4-3/8" long. Magnetic stainless. Serrated long tips and body for sure gripping. **Was \$3.50.**

No. 33357 **\$1.00 each**



3-Piece Tweezer Set-Work Holding



6" S/S. Fiber grips. Ideal for odd shaped parts.

No. 32839 **\$8.50 set**

4-Piece Tweezer Set



High quality, nonmagnetic SS. Includes 4-1/2" long #1, #3, #5 and #7SA. Wood box. India.

No. 32052 **\$14.50 set**

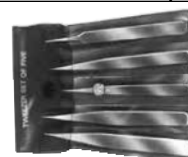
5-Piece Tweezer Set



4-3/4" to 5" long non-magnetic SS in a storage pouch. Includes #3, #5, #5A, #5S and #7 India.

No. 32813 **\$5.00 set**

5-Piece Tweezer Set



5" all purpose stainless steel non-magnetic. Includes AA, MM, NN, #3 and #5. India.

No. 19276 **\$6.50 set**

6-Piece Tweezer Assortment



Includes #00, #2A, #3C, #5, #7A and 5S. 4-1/2" to 5" long. Epoxy coated SS. Plastic wallet. India.

No. 32439 **\$11.50 set**

12-Piece Tweezer Set



12 of the most popular styles of stainless tweezers in a plastic storage pouch. India.

No. 23612 **\$11.50 set**

Tools & Equipment: Vises

Crows Foot



Use in a vise to remove wheels. 4-1/4" tall with a 3-1/2" extension. India.

No. 19880 \$10.50 each

Hand Vise



Adjustable. Serrated jaws. 5" long. The hollow handle allows you to hold long parts. India.

No. 13425 \$6.00 each

Hand Vise



Wood grip. Screw adjustment opens jaws to 1/8" to hold small parts. 5-3/4" long. India.

No. 32059 \$10.00 each

Drilling, Filing & Sanding Fixture



4" aluminum base. 1/2" thick. Adjustable, sliding hold-down plate. Use with drill press or clamp to bench. Holds hands and other small parts to facilitate filing, drilling, sanding, etc.

No. 30440 \$23.50 each

Table Vise



Aluminum. 1-1/4" jaw width x 1-1/2" opening. Clamps for table or bench mounting. China.

No. 29379 \$10.50 each

Replacement Vise Jaw Set



2 piece magnetic aluminum replacement jaw set. 1" x 3" rubber faces. China.

No. 30436 \$4.50 set

Hand Vise



4". Spring loaded. Holds small parts while repairing, polishing or grinding. India.

No. 18421 \$6.50 each

Tools & Equipment: Watch Tools

Quartz Watch Jam Release Tool



Place watch on plastic grill. Press red button for no more than 10 seconds. Will free up many jammed quartz movements. 2-AA batteries included. 1-3/8" x 2" x 2-5/8". India.

No. 32807 \$12.00 each
130

Bracelet Holder



NEW

2" x 2-1/2" x 1" Thick. Plastic. For different width watch bands. 4 tubes to store pins when removing or inserting watch band pins. India.

No. 34053 \$1.50 each

3-Piece Watch Case Opener Set



Includes a standard case knife, an adjustable case back opener, and a 10X loupe. China.

No. 31082 \$7.50 set

16-Piece Watch Repair Kit



Includes a non-magnetic tweezer, 2 case openers, 3 piece blade screwdriver set, phillips screwdriver, mini blade screwdriver, pin remover, pin pusher, 3 pin punches, watch hammer, mini long nose pliers, and a metal strap holder block. China.

No. 31081 \$15.50 set

21-Piece Watch Repair Kit



Contains an 8" watch hammer with metal and nylon head, a double end spring bar, 4 pin punches (0.7mm, 0.8mm and 2-0.9mm), a watch link remover, 12 extra 0.8mm pins, and a watch band holder block.

No. 32411 \$7.50 set

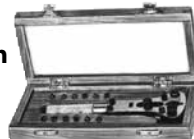
Dapping Block



2-1/4" hardwood. Two 4" punches. Removes dents from watch cases and metals. India.

No. 13470 \$6.00 set

Jaxa Style Water Proof Case Wrench



12 jaws, 3 each of 4 different types. In a hardwood box. 5-1/2" long. India.

No. 14962 \$14.00 set

Watch Case Opener-Double Sided



Adjustable metal opener. 2-3/8". India.

No. 17883 \$5.00 each

Watch Case Opener



Opens and tightens quartz watch case backs with opposing slots. Adjustable to 1-1/2" wide. 6-1/4" L x 1/2" W. Provides grip and leverage.

No. 29262 \$6.00 each

Watch Case Opener



Tempered blade. Non-roll handle. 4-1/2" long.

No. 13554 \$3.50 each

Watch Case Opener



Tempered blade. Rubber handle. 4-1/2". India.

No. 19264 \$2.50 each

Case Opener-Closeout



4-3/4" stainless steel, curved blade type case opener. India. Was \$3.00.

No. 33367 \$1.00 each

Watch Case Opener-Snap Back



Handy pocket tool. 3" long. India.

No. 16977 \$3.50 each

Push Back Case Opener



NEW

8mm wide blade. 2-1/2" long. Rubberized grip. India.

No. 34051 \$2.50 each

Watch Case Opener-Suction



Opens waterproof and screw back watch cases. Hand pressure and a jerky turn opens most cases. Non-marring rubber end. 4" long. India.

No. 14900 \$4.00 each

Watch Case Opener



One blade is a sharp knife and a second is designed to open snap back watch cases.

No. 14919 \$15.50 each

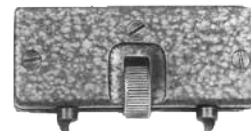
Watch Case Opener-Vacuum



Rubber opener has two sides. Will open 0 through 18 sizes. 2" diameter. India.

No. 13555 \$3.50 each

Watch Case Opener-Waterproof



Adjustable two notch type. Opens to 50mm (2"). 2-5/8" long. India.

No. 15878 \$5.00 each

Jumbo Case Opener

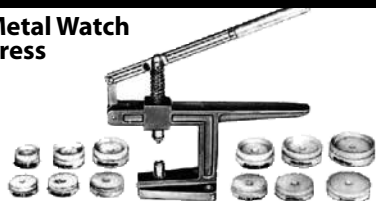


Opens to 70mm (.275") with thumb adjustment. 1-1/4" x 3-1/4" metal body. India.

No. 33473 \$8.00 each

Tools & Equipment: Watch Tools

Metal Watch Press



Includes 12 two-sided nylon dies (24 sizes). For use on flat or raised crystals. Won't scratch crystals or cases. India.

No. 15301 \$21.50 each

Watch Press Die Sets

Nylon die sets for above set. India.

No. 32815 12 dies 22mm-40mm \$6.00 set

No. 32814 ... 8 dies. 35mm-57mm \$10.00 set

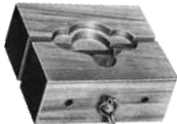
Watch Movement Holder



12 plastic rings for holding pocket watch movements. From 7.5 to 22.5 ligne. India.

No. 13557 \$4.00 each

Watch Movement & Case Holder



Hardwood adjustable holder. 3"x 3". India

No. 16976 \$7.00 each

Watch Movement Holder-Closeout



Adjustable for smaller 2-3/4 to 19 Ligne watches. Tension springs provide constant holding force. Nickered. French. Was \$27.50.

No. 33278 \$9.00 each

Watch Movement Holder



Spring loaded holder gently holds watches in place for easy repair. With 4 non-marring nylon positioning posts. 4-1/8" long. India.

No. 29372 \$6.50 each

Mini Spring Bar Tool



2-3/4" long. Forked pin on one end, pin end on the other. 6-sided plastic body for gripping.

No. 32296 \$2.00 each

Spring Bar Tool



5" steel body. 2 pins on body plus 4 extra pins in plastic storage case. China.

No. 32139 \$6.00 each

Spring Bar Tool

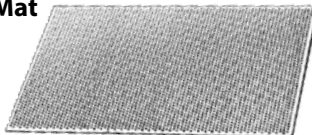


Plastic with inch and millimeter scales. India.

No. 14970 5-3/4" Long \$4.00 each

Tools & Equipment: Workbench & Related

Bench Mat



10" x 14" non glare material. Swiss.

No. 14936 \$18.50 each

Bench Plate



Grooved on 4 sides to catch small parts. India.

No. 18228 9" x 16" \$13.50 each

Bench Blower-Rubber (5-1/2" Long)



Valve in tip provides a strong air stream.

No. 15800 5-1/2" Long \$3.50 each

Blow Brush



5-1/2". Brush attachment for sweeping debris from hard to reach places. China.

No. 29189 \$5.50 each

Other: Adhesives & Related

Dial Adhesive



Perfect for gluing paper dials to dial pans. A light coat is all you need. 10-1/2 oz. Cannot be shipped by air.

No. 13725 \$9.50 each

Adhesive Remover



Removes adhesive residue from most surfaces. Removes crayon, marker, grease, oil, wax and paint. Fast-acting. 11 oz. No air shipment.

No. 14497 \$9.00 each

Beeswax



75 gram (1.6 ounce) chunk. Ideal for holding jewels and small parts. Or use to lubricate. India.

No. 33679 \$2.50 each

Glue Debonder



Z-7™ water-based debonder. Softens and removes adhesives. Contains acetone. 1 fluid oz.

No. 29846 \$5.00 each

Bondini® Glues



Exceptional bonding strength. Bonds in seconds. Works on porous, non-porous, and uneven surfaces. Works on oily and dirty surfaces without cleaning. Fills gaps. Use on metals, leather, ceramics, wood, jewelry, fabrics, etc. Xtreme-3®. **No. 29925** is more powerful.

No. 29923 4g Bottle \$2.00

No. 29924 10g Brush-On Bottle \$4.00

No. 29925 Xtreme-3®. 3g Tube \$3.00

Bondini® Glue Remover



Gel formula removes glue from skin and other surfaces. Cleans up excess glue. Won't drip. Works on most adhesives. 5 gram bottle.

No. 29926 \$3.25 each

Future Glue®



Next generation Super Glue. Works on oily, dirty, or contaminated surfaces without cleaning. Great on porous surfaces like wood, vinyl and nylon. Exceptional on vertical applications. Resists high and low temperatures as well as most chemicals. Fills gaps Perfect for pottery, chipboard, woods, soft leather, etc.

No. 29909 Gel 2g Tubes 2/Card \$2.00

Super Glue™



Original formula. Bonds instantly in tight joints, between clean breaks, or smooth surfaces. Sets in seconds. Best in non-porous applications. Bonds metal, rubber, aluminum, most plastics, ceramics, china, wood, pottery, jewelry, etc. Available in tubes or spill-resistant bottles with a flow control nozzle for one-drop application. Won't drip or run.

No. 29904 2g Tubes 2/Card \$2.00 each

No. 29905 3g Bottles 2/Card \$2.50 each

Super Glue Glass Adhesive

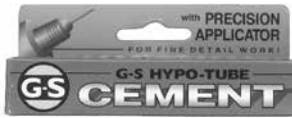


Syringe applicator applies a controlled amount. Fills small gaps. Bonds metal and other materials to glass. Use with clear glass or light colored stained glass. Not recommended for dark colored or opaque glass. Dries clear. 10 minute curing in direct UV exposure.

No. 2991307 fl. oz \$4.00 each

Other: Adhesives & Related

Crystal Cement-G & S



Great for watch crystals. 1/3 fl. oz. Dries clear.
No. 13721 **\$5.50 each**

J-B Weld



Easy to use 2 part system sets up in 15 minutes. Can drill, file, nail, sand and machine. Hardens like steel. Two 1 ounce tubes.
No. 20676 **\$7.50 set**

Jewelry Epoxy



Extra strength. Will not shrink. Unaffected by water or petroleum. Withstands temperatures of 175°F. Dries clear in 5 minutes. 4 fl. oz.
No. 15330 **\$5.00 set**

Loctite 242



Insures any fastener will stay locked into position with a drop. Parts can be disassembled with hand tools. 10 ml bottle.
No. 23262 **\$20.00 each**

Loctite 609



High strength adhesive for installing pivots. 3000 P.S.I. holding power. 10 ml bottle.
No. 23263 **\$19.50 each**

Screw Loosening Fluid



Place a drop on head and end of screw. Allow to sink in to break bonds. 6cc plunger applicator.
No. 16536 **\$6.00 each**

Screw Grab™



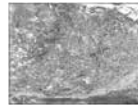
Works instantly. One dab on a damaged screw head provides instant torquing power for easy removal. A drop on a screwdriver can increase torque up to 400%. Not a glue. Wipes clean. No staining. Odorless, non-toxic, non-corrosive. Unlimited shelf life. 0.5 fl. oz. bottle.
No. 29298 **\$7.00 each**

#847 Rubber Adhesive For Golden Hour Clocks



For adhering the glass to the gear ring on Golden Hour clocks. 5 fl oz. tube.
No. 29806 **\$21.00 each**
132

Shellac Flakes



1/2 oz. bag. Holds roller jewels, pallet jewels and other small parts.

No. 14373 **\$2.00 pack**

Epoxy Stick For Wood



3/4" x 6-7/8" wood epoxy stick fills missing or damaged wood parts. Can be sanded, shaped and stained. Will not shrink.

No. 19875 **\$12.50 each**

Shellac Stick



For setting small stones and jewels in pallets. Heat to apply. 7" long. England.

No. 15464 **\$12.50 each**

Glue Syringes



Graduated plastic syringes with stainless blunt tip needles. Use to dispense adhesives, sealants, coatings, solvents, etc. Both sizes come with 1 small (.016" I.D.) and 1 large (.033" I.D.) replacement needle and 2 caps.

No. 23944 5cc (1/6 oz.) For thin adhesives **\$3.25**

No. 23945 ... 30cc (1 oz.) For Oil **\$5.25**

No. 24646016" Needle Only **\$1.25**

No. 24647033" Needle Only **\$1.25**

Other: Batteries & Tools

Watch Battery Changing Kit



3 types of case openers, plastic tweezers, "AA" tweezers, screwdriver, pliers, and cleaning brush in a storage pouch. India.

No. 16546 **\$12.00 each**

Battery Tester



For all watch and clock batteries, including 1.5 volt mercury, silver, lithium, and 9 volt. China.

No. 13802 **\$7.50 each**

Cell Tester



Economical. Simply place cell battery between contacts. If good, the light will glow. India.

No. 32053 **\$1.25 each**

Cell Tester



1.5V and 3V lithium button and coin tester. ABS body. Nickered pins prevent corrosion. India.

No. 33468 **\$2.25 each**

Cell Tester



Tests 1.5V and 3V batteries. With indicator light.

No. 29431 **\$3.00 each**

Horolovar Style Batteries



No. 10602



No. 10603

For Kundo and Junghans battery clocks.
No. 10602 .. #8 or #9 4" x 3-1/4" x 3/4"
No. 10603 #10 or #3 1-1/2" x 1-1/2" x 4"
\$25.00 each

Self Winding Clock Co. Batteries



No. 29426



No. 29425

Fits most Self-Winding Clock Company models with one battery holder. 2 "D" batteries not included. Sold in sets of two.

No. 29426 **\$60.00 set**

Self Winding Clock Co. Battery & Synchronizer

Two No. 6 battery units fit into battery cavities. Includes 3-volt battery container and a synchronizer as illustrated. Powers and synchronizes Self Winding clock which must have a built-in synchronizing device in place. 2-"D" batteries not included. With instructions.

No. 29425 **\$135.00 set**

Batteries



Brand shown may be different than brand we ship, dictated by availability.

No. 20658 .. "AAA" Alkaline 4-pack **\$2.00**

No. 11712 "AA" Alkaline 4-pack **\$2.00**

No. 10636 "C" Alkaline 2-pack **\$2.75**

No. 11207 "D" Alkaline 2-pack **\$3.75**

No. 11663 "N" Alkaline 2-pack **\$2.75**

No. 23355 9 Volt 1-each **\$2.50**

Battery Assortment



Assortment of 42 watch batteries. 8 each #392, #377, #357, 10 each #364. 4 each #393, #386.

No. 31036 **\$3.50 pack**

Battery Converter



Replacement for #8 or #9 battery. Insert 2 "AA" batteries (not included) and place the converter into the base of the clock.

No. 23290 **\$20.00 each**

Battery Holder-Brillie



Solid brass. 1-3/8" diameter and 3-3/4" tall. Slides into the Brillie battery clip. Holds a "D" battery, not included. The Netherlands.

No. 23415 **\$90.00 each**

Batteries-Watch, Hearing Aid & Specialty

Factory fresh replacements to fit the numbers specified.

Silver Oxide Batteries						Lithium Batteries					
Part #	Battery #	Battery # Conversion	Price Each	Price 5	Price 10	Part #	Battery #	Battery # Conversion	Price Each	Price 5	Price 10
No. 18073	SP301/386	SR435W/SR43W	\$2.25	\$11.00	\$21.50	No. 18062	SP395/399	SR9275W/SR927W	\$1.25	\$6.00	\$11.50
No. 18084	SP303/357	SR445W/SR44W	\$2.25	\$11.00	\$21.50	No. 18064	SP396/397	SR726W/SR726SW	\$1.25	\$6.00	\$11.50
No. 18101	SP309	SR754SW	\$2.25	\$11.00	\$21.50	No. 18127	BR1225	L09	\$2.00	\$9.75	\$19.00
No. 18070	SP315	SR715SW	\$1.50	\$7.25	\$14.00	No. 18117	CR1025	L44	\$1.50	\$7.25	\$14.00
No. 18085	SP317	SR516SW	\$1.50	\$7.25	\$14.00	No. 18097	CR1216	L40	\$1.40	\$6.75	\$13.00
No. 18077	SP319	SR527SW	\$1.50	\$7.25	\$14.00	No. 18118	CR1220	L04	\$1.50	\$7.25	\$14.00
No. 18050	SP321	SR616SW	\$1.00	\$4.75	\$9.00	No. 18089	CR1616	L28	\$1.50	\$7.25	\$14.00
No. 18103	SP329	SR731SW	\$1.60	\$7.75	\$15.00	No. 18111	CR1620	L08	\$1.40	\$6.75	\$13.00
No. 18091	SP335	SR512SW	\$2.00	\$9.75	\$19.00	No. 18112	CR2012	L42	\$1.50	\$7.25	\$14.00
No. 18116	SP337	SR416SW	\$3.00	\$14.75	\$29.00	No. 18090	CR2016	L10	\$1.10	\$5.25	\$10.00
No. 18123	SP339	SR614SW	\$3.00	\$14.75	\$29.00	No. 18099	CR2025	L12	\$1.10	\$5.25	\$10.00
No. 18092	SP341	—	\$3.00	\$14.75	\$29.00	No. 18100	CR2032	L14	\$1.20	\$5.75	\$11.00
No. 18079	SP344/350	SR136SW	\$2.75	\$13.50	\$26.50	No. 18119	CR2320	L26	\$1.75	\$8.50	\$16.50
No. 18093	SP346	SR712SW	\$2.75	\$13.50	\$26.50	No. 18120	CR2430	L20	\$1.75	\$8.50	\$16.50
No. 18054	SP361/362	SR721W/SR721SW	\$1.00	\$4.75	\$9.00	Alkaline Batteries					
No. 18055	SP363/364	SR621SW	\$1.00	\$4.75	\$9.00	Part #	Battery #	Battery # Conversion	Price Each	Price 5	Price 10
No. 18107	SP365	SR1116W	\$2.75	\$13.50	\$26.50	No. 18114	LR43	A03	75¢	\$3.50	\$6.50
No. 18108	SP366	SR1116SW	\$2.75	\$13.50	\$26.50	No. 18115	LR44	A01	75¢	\$3.50	\$6.50
No. 18057	SP370/371	SR920SW/SR921SW	\$1.25	\$6.00	\$11.50	<h2>You Can Find The AWI Battery Cross Reference Guide On Page #134</h2>					
No. 18071	SP372/373	SR916W/SW916SW	\$1.50	\$7.25	\$14.00						
No. 18058	SP376/377	SR626W/SR626SW	85¢	\$4.00	\$7.50						
No. 18078	SP379	SR521SW	85¢	\$4.00	\$7.50						
No. 18076	SP380/394	SR936SW	\$2.00	\$9.75	\$19.00						
No. 18074	SP381/391	SR1120SW/SR1120W	\$2.00	\$9.75	\$19.00						
No. 18066	SP384/392	SR415W/SR41W	\$1.00	\$4.75	\$9.00						
No. 18087	SP387S	—	\$4.50	\$22.25	\$44.00						
No. 18059	SP389/390	SR1130W/SR1130SW	\$1.50	\$7.25	\$14.00						
No. 18061	SP393	SR48W	\$2.00	\$9.75	\$19.00						

Battery Gauge



Pass a button cell through the proper slot in the plastic gauge. Identifies the correct battery by size. 3-9/16" x 8-7/8". India.

No. 23463 \$3.00 each

Other: Books

Abbott's American Watchmaker

By Henry Abbott



A comprehensive illustrated guide to traditional watchmaking and jewelry craftsmanship. Sections on alloys, balances and escapements, staffs, etc. 100's of formulas. Section on European watchmakers from 1600 to 1894. Great for beginners and skilled watchmakers. Soft cover. 354 pages.

No. 32075 \$17.00 each

Adjusting 400 Day Anniversary Clocks

By William Bilger



Sections on disassembly, escapements, suspensions, putting a clock in beat, troubleshooting, etc. With pictures and diagrams. Soft cover. 41 pages.

No. 32489 \$9.00 each

American Clocks/A Guide To Identification & Prices #1

By Tran Duy Ly



Original manufacturer's catalog illustrates clocks from Ansonia to Welch. Includes 2005 price update. 336 pages. Hard bound.

No. 15047 \$59.50 each

American Clocks, An Introduction

By Tom Spittler



Traces the manufacture of clocks in America from the earliest European settlers through the mass production of the 19th century. Includes sections on tall case clocks, banjo's, pillar and scrolls, shelf clocks, OG'S, spring clocks, etc. With a section on how clocks work. Heavily color illustrated. #3 in the Clocks Magazine series. Soft cover. 130 pages.

No. 32045 \$29.25 each

American Clocks #3

By Tran Duy Ly



Milestone book illustrates American clocks from the early period of machine manufacture, the first half of the 19th century. Also includes sections on Ball, Lux and Keebler and Tiffany Never Wind. 352 pages. Hard cover. 2002 price list included.

No. 25009 \$59.50 each

Anniversary Clock Adjusting

By Mervyn Passmore



Addresses adjustments for 400-day clocks including set-up, the suspension, letting down the main-spring, escapement adjustment, etc. Fully illustrated. Soft cover. 75 pages.

No. 25022 \$15.00 each

Anniversary Clock Identification

By Mervyn Passmore



Must for collectors repairman. Richly illustrated. Identifies manufacturer and model of clock movements using makers' names, logos, and back plate width and height. Soft cover.

No. 15115 \$25.00 each

Ansonia Clocks

By Tran Duy Ly

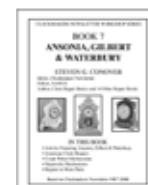


752 illustrated pages. The most complete listing available. From pocket watches to grandfather clocks. Original prices and current market values. With a brief history. Improved second edition. Hard cover with 2004 price update.

No. 15045 \$89.50 each

Ansonia, Gilbert & Waterbury

By Steven Conover



Book #7 of the Clockmakers Newsletter Workshop Series covers repairs made to clock mechanisms produced by 3 of America's largest 19th century manufacturers. Sections include tension springs, count wheel strike mechanisms, mainsprings, kitchen clocks, swinging arm clocks, rack and snail movements, OG clock restoration, shelf clocks, assembling strike gear trains, etc. Soft cover. 149 pages.

No. 32964 \$38.00 each

The Art Of Repivoting

By Robert Porter



Soft cover, 60 pages. Concentrates on repivoting for watches, but techniques are adaptable to clock repair, especially travel alarms, chronometers, and small high-grade clocks such as LeCoultre. Includes a section on 2 lathe attachments for making micro-drills which can be enlarged for larger lathes such as Sherline.

No. 25016 \$14.00 each

Other: Books

Atmos Repair Guide

Photocopied illustrated guide.
31 pages.

No. 15640 **\$4.00 each**



AWI Battery Cross Reference Guide

Must-have 50-page booklet lists most batteries. Helps select the proper watch battery. Includes the AWI reference numbers, dimension chart and substitution chart. Soft cover.

No. 15052 **\$7.00 each**



A Beginner's Guide To Clock Repair

By Ian Beilby

Based on author's acclaimed series that appeared in 2006 editions of Clocks Magazine outlining how a striking clock works. 64 pages. Soft cover. Covers movements, tools, materials, dismantling, cleaning, reassembly, re-bushing, escapements, mainsprings, pendulums, etc. Amply illustrated.

No. 29853 **\$19.50 each**



Basic Lathework

By Stan Bray

Discusses machine selection and tools for general machining, taper turning, threading, boring, etc. Includes info on power supplies and use of digital accessories. Suitable for beginner and expert. Soft cover. 182 pages. 198 photos. 32 plan and line drawings. 2 data tables. 2010.

No. 32458 **\$17.50 each**



Beginner's Guide To Pocket Watches

By Ian Beilby

Based on acclaimed series that appeared in Clocks Magazine. Covers history and development of pocket watches, how they work, dismantling, cleaning, repairs, tools, dating, and valuation. Sections on English, Swiss and American pocket watches. Indispensable for collectors. 65 pages. Soft cover.

No. 12517 **\$19.00 each**



Beautiful Vienna Regulators Of The 19th Century

By Victor Kochaver

Spectacular book produced for 20th annual NAWCC Seminar. Illustrates in color the finest of clocks on display with many movement and detailed closeup views. If you collect or are interested in Vienna's, this is a must-have book. 152 pages. Hard cover.

No. 25014 **\$57.50 each**
134



Build A Mainspring Winder

By William J. Bilger

NEW

24 page spiral bound illustrated booklet provides complete step by step details to produce this mainstay of clock repair.

No. 34029 **\$14.50 each**



Building An American Clock Movement

By Steven Conover

For a 3-3/8" wide x 4" high non-striking movement with 6" pendulum, commonly used in shelf clocks. Excellent details for beginners and pros on tools and materials required, instructions to produce componentry, finishing, assembly and testing. Includes plans for Huckabee's Wheel Making Fixture and gear tooth fly cutters of Archie Perkins (AWCI). 155 photos. Spiral bound soft cover. 88 pages. Published in 2000.

No. 32249 **\$22.00 each**



Calendar Clocks

By Tran Duy Ly

American calendar clocks and the companies that manufactured them. Profusely illustrated with patent drawings, original catalog illustrations and photographs. Includes a 2000 price update. 360 pages. Hard cover.

No. 25020 **\$75.00 each**



Chime Clock Repair

By Steven Conover

Guide to understand and repair European and American chime clocks. 126 pages. Soft cover.

No. 15158 **\$28.50 each**

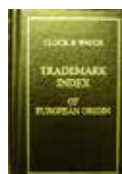


Clock & Watch Trademark Index

By Karl Kochmann

2001 edition. 989 pages. 18,000 European origin trademarks. Hard bound.

No. 15147 **\$44.50 each**



The Clock and Watch Makers Guide To Gear Making & Other Machines

By R.D. Porter

How to design gears and the cutters to make them. Learn to make an indexing attachment or form grinding tools for your lathe. Build a simple weight-driven clock from scratch. Loaded with examples and charts. Soft cover. 170 pictures. 192 pages.

No. 25024 **\$45.00 each**



Clock Repair Basics

By Steven Conover

Begins with letting down the mainspring, disassembly, cleaning, repair and assembly. Basics on escapements, pendulums and bushings. Includes mainspring length formulas, lubrication and pendulum length guides. 92 pages, 158 photos and drawings. Soft cover.

No. 15168 **\$23.00 each**



Clock Repairer's Handbook

By Laurie Penman

Excellent for diagnosing and repairing clocks. Tips for people with limited equipment. Over 250 illustrations. 176 pages. Soft cover.

No. 15161 **\$19.50 each**



Clock Repair-Cuckoo Clocks

By Bill Tipton

Step-by-step illustrated guide to repair the Regula 25, 30-hour movement. Covers movement removal, inspection, disassembly, bushing installation, re-assembly, testing, troubleshooting, bellow repair, lubrication, etc. Soft cover. 102 pages.

No. 32156 **\$33.00 each**



Clock Repair Sketches & Bench Notes

By Bill Tipton

Sketches of 36 different mechanical movements and their components by 12 American clockmakers (Ansonia, Waterbury, S. Thomas, New Haven, Gilbert, etc.). A timesaver for those who work on these clocks. Soft cover. 208 pages.

No. 25028 **\$39.00 each**



Clock Repair Skills

By Steven Conover

For those with intermediate repair skills. Includes detailed information on repivoting, lantern pinion repair, tooth replacement, making bushings, escapement repair, making a rack and snail, making hands, etc. 92 pages. Soft cover.

No. 25011 **\$25.00 each**



Clock Repair Tips

By Bill C. Tipton

Illustrated step-by-step guide demonstrates how to repair a Hermle #340-020 movement. Can be used for all movements. Covers disassembly, troubleshooting, bushing, repair, re-assembly and adjustment. Covers brazing, chime adjustment, bushing installation, etc. 121 pages with a soft cover.

No. 25018 **\$33.00 each**



Clock Repairing As A Hobby

By H. C. Kelly

Discusses troubleshooting, repair and cleaning. Perfect for beginners. 48 illustrations. 124 pages. Soft cover.

No. 15005 **\$15.00 each**



Cuckoo Clock Adjustable Test Stand

By William Bilge

Easy-to-follow instructions with diagrams and pictures. Soft cover. 8-page booklet.

No. 32499 **\$4.75 each**



Other: Books

Collectible Pocket Watches 1750-1920

By Ian Beilby

NEW



No. 5 in Clocks Magazine Beginner's Guide Series.

Identifies pocket watches likely to be encountered by the average collector. Indicates characteristics, sizes, case styles, etc. of American, English, and Swiss watches. Includes a glossary. Richly illustrated color photos. 86 pages. Soft cover.

No. 33684 \$21.50 each

The Compact Lathe

By Stan Bray



Comprehensive introduction covers the technology and components, machining operations and facilities that enable the novice and experienced operator to quickly achieve proficiency on lathes, such as Sherline, Unimat III, etc. 145 photos, 18 plans, 9 data tables. Soft cover. 187 pages. 2004.

No. 32451 \$22.50 each

Cuckoo Clock Repair Made Simple

By Tom Seaman



Step-by-step instructions on dismantling, cleaning, repair and assembly. Sections on music movement principles and troubleshooting. Many photos. Soft cover. 58 pages.

No. 25029 \$26.00 each

The Cuckoo Clock Repair Manual

By William Bilger



Hints, tips, secrets and shortcuts for the beginner to the professional repairman. Sections on tools required, disassembly, cleaning and re-assembly, music box repair, etc. Generously illustrated. Spiral bound soft cover 88 page booklet.

No. 32501 \$29.50 each

Electroplating

By Jack Poyner



Discusses principles of depositing thin metallic layers on parts for decoration, protection, conductivity, wear resistance, etc. for the small workshop or individual. Recommends simple, inexpensive equipment and techniques. Soft cover. 61 pages. Published 2002.

No. 32202 \$16.50 each

Escapements

By F.J. Britton



Illustrated handbook on the construction and proportion of escapements. 66 pages.

No. 15036 \$10.00 each

Escapements- Book 3

By Steven Conover

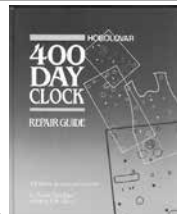


Articles and repair tips from **Clockmakers Newsletter**. Covers recoil, deadbeat, half-deadbeat, platform, pin pallet and pinwheel escapements. Hairsprings and floating balances addressed. 159 pages. Soft cover.

No. 32192 \$35.00 each

400 Day Clock Repair Guide

By Charles Terwilliger



10th edition lists over 500 back plates to aid in the identification of the manufacturer, mainsprings, suspension springs and suspension units required. Includes history, dating and repair. 237 pages. Hard cover.

No. 15004 \$29.75 each

Gears & Gear Cutting

By Ivan Law



Discusses cutting gears on a lathe or mill. Includes information on tooth forms and sizes, rack and pinion gears, bevel wheels, making gear cutters, etc. Generously illustrated. Soft cover. 136 pages. Published 2003.

No. 32203 \$16.50 each

Getting Started in Clock Repair For Fun & Profit

By William Bilger



Great advice on how to start, suggesting where to learn the trade, how to set up a shop and attracting customers, estimating costs and what to charge. Soft cover 35 page booklet.

No. 32487 \$7.75 each

Gilbert Clocks

By Tran Duy Ly



Illustrated price guide includes a short history and 2000 price update. 448 pages with hard cover.

No. 15183 \$89.50 each

Gilbert Clocks Supplement

Year 2000 edition. Illustrated. Updates prices in the original Gilbert volume. It has many new pages of clocks, movements and new undocumented material. 113 pages. Hard cover.

No. 20396 \$29.50 each

Grandfather Clocks

By Steven G. Conover



Covers English-style bell strike movements, made until the mid-19th century. Chapters on German grandfather clock movements by Urgos, Hermle, Kieninger and others. Addresses pivots, bushings, dials, gears, clicks, strike mechanisms, pillars, movements, etc. Generously illustrated. Soft cover. 147 pages.

No. 32469 \$35.00 each

Gustav Becker Story

By Karl Kochmann



119 pages. Photographs and illustrations from Gustav Becker catalogs. Includes history. Soft cover.

No. 15061 \$14.00 each

Hands On 400-Day Clock Repair

By Chris Wadge



Sections on movement repair, repair of anchors and pin pallets, setting up the escapement, suspensions, and determining mainspring length and strength. Heavily illustrated. 56 pages. Soft cover. 1994.

No. 29673 \$21.50 each

Hardening, Tempering & Heat Treatment

By Tubal Cain



Simplifies principles of heat treating, case hardening, tempering, quenching, case hardening and the different processes and equipment used. Contains hardness scales, conversion tables and glossary. Illustrated. Soft cover. 124 pages. 2003.

No. 32204 \$16.50 each

Hermle Service Manual 5th Edition

By Roy Hovey



Covers servicing, repair, cleaning, lubricating and restoration of Hermle movements. 99 pages. Soft cover. 2002.

No. 15154 \$31.50 each

How To Adjust A Cuckoo Clock Music Box

By William Bilger



Great for the clock repairer who is more familiar with the cuckoo movement, but not the music box. Includes parts identification and diagrams. Soft cover 30 page booklet.

No. 32488 \$6.75 each

How To Adjust The American Count Wheel System

By William Bilger



Describes how the count wheel system functions in American 2-train time and strike clocks. Amply illustrated with diagrams. Includes troubleshooting section. Soft cover 33 page booklet.

No. 32494 \$7.25 each

How To Adjust A Schatz Cuckoo Clock Movement

By William Bilger



Soft cover 10 page booklet outlines disassembly and reassembly with accompanying pictures and diagrams.

No. 32498 \$4.75 each

Other: Books

How To Disassemble, Clean & Reassemble A Pocket Watch

By William Bilger



Specifies tools required, step-by-step instructions on disassembly, cleaning and assembly, using a common Elgin pocket watch as an example. Part II includes a Pocket Watch Repair Short Course originally published in 1909 but still helpful. Spiral bound soft cover 37 page booklet.

No. 32502 **\$21.50 each**

How To Adjust Hermle 132-071 & 132-041 & S. Thomas #207-005 Ship's Bell Clocks

By William Bilger



Illustrated 17 page booklet with detailed instructions on disassembly, adjusting, cleaning and lubricating.

No. 32887 **\$6.75 each**

How To Adjust Hermle Auto Night Shut Off

By William Bilger



Simplifies an often confusing adjustment on Hermle chiming movements with the ANSO (Auto Night Shut Off) feature. 10 page soft cover illustrated booklet.

No. 33653 **\$6.75 each**

How To Adjust Schatz Ship's Bell Clock

By William Bilger



Illustrated 11-page booklet with detailed instructions on disassembly, adjusting, cleaning and lubricating.

No. 32885 **\$6.75 each**

How To Adjust Seth Thomas Open Ship's Bell Clock

By William Bilger



Illustrated 13 page booklet with detailed instructions on disassembly, adjusting, cleaning and lubricating.

No. 32935 **\$6.75 each**

How To Adjust Stop Works For Urgos, Hermle, Kieninger, & Seth Thomas Movements

By William Bilger



12 page illustrated booklet examines the installation and adjustment of stop works which limits raising the height of clock weights.

No. 32936 **\$4.75 each**

How to Make & Use An Inexpensive Clock Depthing Tool

By William Bilger



Save money with this handy illustrated guide. Addresses the proper use of the tool. Soft cover 18-page booklet.

No. 32497 **\$4.75 each**
136

How To Make A Foliot Clock

By Steven Conover



Step-by-step instructions to build this 17th century type weight driven skeleton timepiece controlled by a foliot balance. Made from brass and steel, with paper dial, single hand and oak foliot. Runs 1-1/2 days on one winding. Requires a mini lathe, gear cutting equipment, drill press and other shop tools. Includes tools and material lists. 73 photos and drawings. Spiral bound soft cover. 84 pages. Published in 2000.

No. 32250 **\$23.00 each**

How To Make A Pivot Polisher & Micro Drilling Attachment For The Small Lathe

By Robert Porter



24 pages. Soft cover. Instructions to make this attachment used to grind and polish pivots, and to drill work in a small lathe. Suitable for scaling to larger lathes. With suggestions to make and use laps and micro drills. Illustrated.

No. 29767 **\$8.00 each**

How To Make Tiny Drills

By Robert Porter



Quickly, easily and accurately make drills from needles and piano wire for repivoting and other uses. 16 illustrated pages. Soft cover.

No. 15166 **\$7.00 each**

How To Make A Watch- maker's & Clockmaker's Work Bench

By William Bilger



Describes how to convert a simple desk into a watchmaker's or clockmaker's bench. Soft cover. 10 pages.

No. 32492 **\$4.75 each**

How To Repair 20 American Clocks

By Steven Conover



Covers assembly procedures. With gear tooth counts for time and strike trains, beats per hour, and mainspring specifications. 140 pages. 246 photos and drawings. Soft cover.

No. 25017 **\$30.00 each**

How To Repair Herschede Tubular Clocks

By Steven Conover



Illustrated book with drawings that make adjustments easy. 116 pages. Soft cover.

No. 15079 **\$28.50 each**

How To Repair A Jefferson Golden Hour Mystery Clock

By William Bilger



Soft cover. 30 pages. Addresses repair instructions and parts details for this iconic clock, one of the most popular in history. Ample illustrated.

No. 32490 **\$6.75 each**

Ingraham Clock & Watches

By Tran Duy Ly



Hard bound. Illustrates and provides current pricing on a large variety of Ingraham clocks and watches. 384 pages. Published in 1998. With a 1999 price guide.

No. 15173 **\$59.50 each**

1999 Price Update Only

No. 20389 **\$10.00 each**

Ingraham, New Haven & Sessions

By Steven Conover



Book #8 of the Clockmakers Newsletter Workshop Series features clock mechanisms produced by 3 of America's largest 19th century manufacturers. Covers repairs to round strike and round chime movements, pendulum and mantel clock movements, 2-train chime movements, calendar mechanisms, etc. Soft cover. 149 pages.

No. 32965 **\$38.00 each**

Longcase Clocks & Standing Regulators

By Tran Duy Ly



Over 50 companies are represented in this fully illustrated price guide. Comes with 2000 price update. 504 pages. Hard cover.

No. 15155 **\$69.50 each**

2000 Price Update Only

No. 20394 **\$10.00 each**

Making Clocks

By Stan Bray



Introduces horology to the beginner. Includes terminology, clock construction including formulas, clock trains, wheel layout and escapements, cases, hands, producing parts, tools and materials required. Note this covers only mechanical clocks. Generously illustrated. Soft cover. 124 pages. Published 2003.

No. 32205 **\$16.50 each**

Mainspring & Pendulum Calculator Program Version 2



Version 2 updated and improved CD software developed by Ron Hoppes, Compatible with Excel 1997 and Excel 2007. Calculates:

- Pendulum length for any beat rate.
- Compound pendulum rate from entered weights and dimensions.
- Optimal mainspring length from barrel, arbor and spring thickness measurements.
- Number of barrel revolutions from fully wound to unwound.
- Run times between windings for time, strike, chime and animations.
- Barrel revolutions and running time for changes in spring length.
- Beats/hour based on gear tooth counts for the entire train.
- Change in driving power and running time for changes in spring thickness.
- Provides printable summary of movement data.

Instructions included. Enter the required measurements and results are displayed instantly.

No. 12085 **\$19.00 each**

Other: Books

Making Money On Ebay With Clocks & Watches

By William Bilger

Suggestions on obtaining items to sell and how to set up an eBay store to create an income stream. Soft cover 18 page booklet.

No. 32495 **\$4.75 each**



Milling Operations In The Lathe

By Tubal Cain

Instructions on converting your lathe to a mill. Details on milling cutters, tooth geometry, speeds, feeds and cutter holding, work holding, milling attachments, indexing and dividing procedures, etc. Soft cover. 126 pages. 2003.

No. 32456 **\$17.50 each**



New Haven Clocks & Watches

By Tran Duy Ly

Over 2200 photos and illustrations. Comes with 2000 price update. 520 pages. Hard cover.

No. 15170 **\$55.00 each**

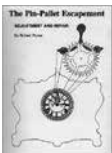


Pin Pallet Escapement

By Robert Porter

Illustrated. Covers adjustment and repair of pin pallet escapements. Soft cover. 44 pages.

No. 15162 **\$14.00 each**



Practical Clock Repairing

By Donald de Carle

The most complete book on the subject. For beginners and experts. 244 pages. 400 illustrations. Hard cover.

No. 15049 **\$34.00 each**



Practical Watch Repairing

By Donald de Carle

The most complete book on the subject. For beginners and experts. 319 pages. 550 illustrations. 2008. Soft cover.

No. 15050 **\$15.00 each**



Proper Use of the Watchmaker's Graver

By William Bilger

Soft cover. 14 pages. Includes pictures and diagrams depicting different gravers, how to hold a graver, sharpening techniques, etc.

No. 32500 **\$4.75 each**



The Rack & Snail Count System

By William Bilger

Describes how this system determines the number of hours to strike. Includes many helpful diagrams. Soft cover 22 page booklet.

No. 32493 **\$4.75 each**



Repairing Alarm Clocks

By William Bilger

Step-by-step instructions with pictures, parts lists and diagrams. Includes information on cleaning and lubricating. Soft cover. 30 pages.

No. 32491 **\$6.75 each**



Repairing French Pendulum Clocks

By Steve n Conover

Details 5 complete French clock restorations including a timepiece, a count wheel strike with escapement, a rack and snail strike, and 2 picture frame clocks. Great tips for all skill levels. With a Q and A section and glossary of French clock terms. 92 pages. 302 photos. Soft cover.

No. 25026 **\$25.00 each**



Repairs-Book #1

by Steven Conover

Based on Clockmakers Newsletter articles published from 1987-2008. Repair tips and projects arranged by subject for easy reference. Sections devoted to mainspring and bushing methods. Fully indexed. Soft cover. 190 pages.

No. 32061 **\$38.00 each**



Restoring This Old Lathe

By R.K. Porter

24 pages, 40 pictures and line drawings. Demonstrates step-by-step disassembly, cleaning, reassembly, and lubrication of an old watchmaker's lathe (without damaging it), as well as making a new lock nut for the tailstock spindle. Useful information about lathe tool bits and hand held gravers.

No. 29828 **\$8.50 each**



Restoring This Old Verge Fusee Watch

By Robert Porter

Illustrated guide explains how to disassemble, clean, repair and lubricate verge watches. 48 pages. Soft cover.

No. 32879 **\$14.00 each**



Sessions Clocks

By Tran Duy Ly

Illustrated book includes clocks made between 1903 to 1968 along with many original prices and a 2002 price guide. 336 pages. Hard cover.

No. 15199 **\$49.50 each**

No. 23849 **\$10.00 each**



Seth Thomas Clocks & Movements Volume #1-3rd Edition

By Tran Duy Ly

Hardbound 3rd edition. 576 pages with 1888 illustrations and photographs of known clocks. With 2005 price update.

No. 15164 **\$79.50 each**



Seth Thomas Clocks & Movements Volume #2

By Tran Duy Ly

3rd Edition

575 pages. Includes price update for both volumes #1 and #2. Hardbound.

No. 25021 **\$79.50 each**

No. 20387 **\$15.00 each**



Seth Thomas-Book #6

By Steven Conover

Part of the Clockmakers Newsletter Workshop Series.

Covers the most popular movements produced by Seth Thomas (#89, #113, #124, Sonora Chime, Ship's Bell, Hour-Striking only, Hour and Half-Hour Striking, Non-Striking and Alarms, Long Alarms and the Automatic 8 Day Alarm). 158 pages with index. 321 photos and drawings. Soft cover.

No. 32857 **\$38.00 each**



Shop Made Tools For The Clockmaker

By William Bilger

NEW

Extensive how-to-make listing of common and not-so-common tools and equipment most clockmakers need. Includes a lathe, bench, mainspring barrel bushing tool, bushing tool jig, pivot gauge, center finder, burnisher, escape wheels, movement holder, test stands, staking tool, pry bars, plate spreader, crows foot, assembly posts, punches, let down tool, vises, etc. Soft cover. 106 pages. 75 plus tools described. 73 line drawings and 134 black and white photos.

No. 33905 **\$28.00 each**



Simplify & Save: Starting A Small Clock Repair Shop

By Tom Seaman

19 pages. Soft cover. Identifies what you need to start a repair business and how to lay out your work space. Identifies vendors and anticipated cash outlay.

No. 30461 **\$12.50 each**



Soldering & Brazing

By Tubal Cain

Thorough treatment of joining metals with soft and hard soldering or brazing. Examines required processes, equipment and materials. Heavily illustrated. Soft cover. 136 pages. 2002.

No. 32208 **\$16.50 each**



Soldering Made Simple

By Joe Silvera

Learn about tools, techniques and materials needed to do professional quality soldering. Step-by-step techniques explained with detailed photos. With 12 projects. Much of the information is appropriate for jewelry making but is useful for clockmakers and horological application. Soft cover. 111 pages.

No. 32021 **\$24.00 each**



Other: Books

Striking Clock Repair Guide

By Steven Conover



A textbook on strike mechanisms. Illustrated with photos and drawings to clarify explanations. 90 pages. Soft cover.
No. 15160 \$23.00 each

Taps, Drills & Dies

By Robert Porter



For the watch, clock and model maker. 60-page illustrated soft cover booklet provides a brief history, discusses measuring tools, means to identify metric and inch threads, instructions on making taps and drills, etc.
No. 32937 \$14.00 each

TimeTrax Clock Train Tables

Informative booklet reveals how to calculate clock trains. Includes list of train counts by movement manufacturer. 38 pages. Soft cover.
No. 15152 \$5.50 each

Tool & Cutter Sharpening

By Harold Hall



Discusses how to sharpen drills, lathe tools, end mills, cutters and other workshop tools. How to make a grinding rest, sharpening accessories, etc. Soft cover. 133 pages. Published 2006.
No. 32209 \$16.50 each

Tools, Tips & Projects-Book #2

By Steven Conover



Based on Clockmakers Newsletter articles published from 1987-2008. Includes tool reviews, how to use tools, hand tools you can make, workshop projects, and general repair tips. Fully indexed. Soft cover. 181 pages.
No. 32062 \$38.00 each

Tubular Bell Clocks

By Steven G. Conover



Addresses repair problems and procedures unique to tubular bell clocks. Features German, English and Herschede clocks. Fully illustrated. Soft cover. 125 pages.
No. 32470 \$33.00 each

Understanding Chiming Clocks & Automatic Synchronization Mechanisms

By William Bilger



Using the common Hermle #340-020 movement, this guide explains the parts and functions of chiming clocks. With photos, diagrams and parts ID's. Soft cover. 20 pages.
No. 32496 \$4.75 each
138

Urgos Movements

Photocopy of Urgos movements with exploded views. 43 pages.
No. 15184 \$4.50 each



A Useful Tool For Winding & Unwinding Loop-End Mainsprings

By Robert Porter



16 pages. Soft cover. Provides a simple plan to build a handy tool to wind loop-end mainsprings. Complete instructions.
No. 32319 \$7.00 each

Watch & Clock Makers Handbook, Dictionary & Guide

By F. J. Britten



The most famous and useful encyclopedia on watch and clock making. Reprint of 11th edition (regularly updated), 1st published in 1907. Contains definitions, 400 illustrations, descriptions of tools, processes and theory. Soft cover. 500 pages. Published in 2011.
No. 31032 \$16.75 each

Watch Repair For Beginners

By Harold Kelly



Ideal for anyone who wants to learn to fix a watch. Discusses the difference between a chronograph, an automatic watch and stopwatch. Many illustrations. Sections on escapements and calendar mechanisms. Soft cover. 284 pages.
No. 32074 \$13.00 each

Watch Repairing As A Hobby

By D.W. Fletcher



Reprint of 1948 guide on how watches work. Covers repair tools required, disassembly, cleaning and troubleshooting. Generously illustrated. 64 pages. Hard cover.
No. 32154 \$13.00 each

Watchmakers Lathe

By Ward Goodrich



History, construction and use of lathes and attachments. Illustrated. 264 pages. Hard cover.
No. 15029 \$25.00 each

Waterbury Clocks & Watches

By Tran Duy Ly



Illustrated price guide to clocks, watches and movements, Ingersoll watches, blinking eye clocks, etc. 584 pages. Hard cover. 2001 price update included. 2nd edition.
No. 15196 \$69.50 each
2001 Price Update Only
No. 22725 \$10.00 each

Waterbury Clocks & Watches 2nd Edition

By Tran Duy Ly



The 2nd of a 2-volume set. From pages 585-1082, with 1352 illustrations and photos. Published in 2013. Includes a 2013 Price Update. Note there is no duplication of clocks from Volume 1 to Volume 2.
No. 25027 \$69.50 each

What's It Worth? Price Guide To Clocks 2014

by Clocks Magazine



Lists auction prices paid for a wide variety of clocks, including grandfather, bracket, mantel, skeleton, novelty and electric. Includes chronometers and barographs. Indicates condition, maker, date of manufacture, and desirability. Color illustrations. Soft cover. 130 pages.
No. 32778 \$26.50 each

Wheel and Pinion Cutting In Horology

By J. Malcolm Wild FBHI



Practical guide to wheel and pinion cutting. Includes history, theory, instructions and advice. 247 pages. Over 500 photos and drawings. Hard cover.
No. 25007 \$58.50 each

Other: Cleaning, Polishing & Finishing Supplies

Zenith® Balance Spring Cleaner



Product #505 is an excellent degreaser. Evaporates fast leaving delicate hair springs and small parts clean and dry. 100 ml bottle.
No. 32900 \$18.50 each

One-Dip®



Non-flammable cleaner and rinse for gummed and dirty hairsprings, jewels and pallet stones. Protects and cleans. Non-hazardous. Use in well ventilated area. Trichloroethylene blend.
No. 29235 2 ounce \$8.50 each
No. 29192 8 ounce \$20.00 each
No. 29193 32 ounce \$57.50 each

Degreaser



Easily removes dirt, grease, oil and particulates. Leaves no residue. Can also be used as a preparatory cleaner for bluing. 3 fluid ounces.
No. 29377 \$7.00 each

Aluminum Black Metal Finish



Blackens aluminum parts. Restores scratched and marred areas. Fast acting. Final color will vary from deep gray to black depending on alloy. Excellent for blackening name plates, plaques, trophies, etc. 3 fluid ounces.
No. 29376 \$12.50 each

Other:

Cleaning, Polishing & Finishing Supplies

Perma Blue



Liquid bluing solution for hands and other small parts. 3 fl. oz.

No. 20522 \$10.00 each

Presto® Gun Blue Pen



The fast, easy way to touch up nicks and scratches. Penetrates hard steel instantly. Blue-black finish will not rub off. Use like a pen. One coat. No spill-no drip.

No. 29799 \$12.50 each

Gold & Silver Marking Pens



Marks permanently on most surfaces, including glass, plastic, paper, etc. Acid free. Shimmering metallic colors.

No. 30425 Gold-Fine Point \$3.50

No. 30426 ... Gold-Medium Point \$3.50

No. 30427 Silver-Fine Point \$3.50

No. 30428 .. Silver-Medium Point \$3.50

Leafing Pens



Touch up or highlight wood and cast metal parts. Works on ceramics, glass, plastic, paper, etc. Adds elegant detail to dials, cases, etc. Fast drying metallic paint. Chisel point varies the width of paint stroke. Acid free. 1/3 fl. ounces.

No. 17743 ... 18K Gold Leaf \$8.50 each

No. 17744 Silver Leaf \$8.50 each

Rub'N'Buff® Metallic Finishes



Formulated from imported carnauba waxes, fine metallic powders and select pigments. Provides a finish that paint can't duplicate. Rub onto any clean surface with finger of soft cloth. Then buff to a beautiful luster. 1/2 fl. oz. Perfect for metal case decorations.

No. 23376 Gold Leaf \$5.25 each

No. 23377 ... Antique Gold \$5.25 each

No. 23378 Grecian Gold \$5.25 each

Liquid Metallic Paint



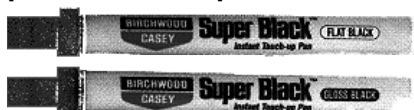
Brush'N'Leaf® decorates, stripes or highlights. Non-tarnishing. Leafs any surface, any material. Quick drying. 1 fl. oz. Covers 7-8 square feet.

No. 23559 Gold Leaf \$8.50

No. 23629 .. Antique Gold Leaf \$8.50

No. 23363 Silver Leaf \$8.50

Super Black Touch Up Pens



Touch up nicks and scratches on hands, screws and other small parts. 1/3 fl. oz.

No. 20340 Flat Black \$10.00 each

No. 20341 Gloss Black \$10.00 each

Slate Black



Restores black marble and slate clocks. Apply and buff to a high shine. 120 ml. England.

No. 23842 \$21.00 each

Walnut Wood Stain



Water soluble. Non-bleeding. Produces rich color without grain clouding or smearing. Highlights the grain. Enhances the natural beauty of wood. Control color intensity by adding water to dilute. Or use full strength for lighter woods such as birch. 3 ounces.

No. 29385 \$8.00 each

Brass Antiquing Metal Touch-Up



Blackens and antiques brass, copper and bronze statues and parts. 3 fl. oz.

No. 20533 \$14.00 each

Brass Darkening Solution



Fast acting. Antique or darken brass, copper or bronze. Will not work on lacquered or brass plated surfaces. 2 oz. bottle.

No. 23926 \$2.50 each

Plum Brown Finish



Used on firearms, but can use on clock case parts and other metal antiques. Heat metal with propane torch or other heating device and apply solution with a swab. Immediate results. No waiting for slow rust process. Durable, protective finish. 5 fluid ounces.

No. 29375 \$13.00 each

C-Clear Plastic Renewer



Makes old crystals new by removing scratches and blemishes. Charge a buff wheel with the compound and gently buff the crystal. 5 oz.

No. 15251 \$4.50 each

PolyWatch Scratch Remover



Repairs scratches in plastic crystals. 0.175 oz. tube. Instructions included.

No. 20135 \$6.00 each

Diamantine/Aluminum Oxide



Fast cutting abrasive for polishing pivots and stones. 15 grain size.

No. 15222 \$10.50 each

French Chalk



50 gram block. Brings a deep shine to brass. 2" square x 1-1/2" thick.

No. 29948 \$3.00 each

Curator Clock Case Restorer



Quality product cleans and restores patina. Not a wax or solvent. Won't harm French polish or varnish. 120ml. England.

No. 20482 \$10.50 each

Polish-Goddard's Brass & Copper



Anti-tarnish formula resists fingerprints. Fast working on brass, copper, pewter, stainless steel and aluminum. 7 oz.

No. 18263 \$5.00 each

Polish-Briwax



Cleans dirt and wax buildup. Creates mellow patina. Contains beeswax and carnauba, nature's best protection against scuffing and stains. Apply to small area with 4/0 steel wool or a soft cloth, let dry. Buff to desired luster with soft cloth. Dries hard. 450 ML.

No. 14329 \$22.00 each

Kotton Klenser



No. 13700

No. 13701

No. 13702

Cleans wood, marble, bisque, brass, copper, etc. Apply with brush or soft cloth and remove. For tougher dirt, use 4/0 steel wool. Apply Feeder Finish to restore oil in dried out wood. Leave on for 24 hours and remove. Then apply Lemon Oil and Beeswax for a long lasting moisture resistant shine. Won't fingerprint.

No. 13700 16 Fl. Oz. Kotton Klenser

No. 13701 8 Fl. Oz. Feeder Finish

No. 13702 10 Fl. Oz. Lemon Oil & Beeswax

\$7.00 each

\$20.25/ 3 (\$6.75)

Polish-Goddard's Marble



Cleans, polishes, seals and protects fine marble. Won't build up or yellow. Use on marble, stone, porcelain and tile. 8 fl. oz.

No. 15729 \$5.00 each

Other:

Cleaning, Polishing & Finishing Supplies

Renaissance Wax Polish



The best of the best!! 2.25 ounces. Micro-crystalline wax is used by the British Museum for fine art conservation projects. Protects woods from acid contact. Use on the finest woods, metals, marble, clock cases. Use on leathers, ivory, plastics, etc. Perfect for protecting silvered dials. Economical. Apply very sparingly, then buff. England.

No. 10520 **\$17.50 each**

Polish-Nevr-Dull



Cleans and polishes glass, silver, gold, brass, pewter, steel, copper and most metals. Removes surface rust and leaves no deposits. The wadding can be used over and over. Won't scratch. 5 oz.

No. 13747 **\$8.00 each**

Polishing Compounds



Peel away cardboard containers.

Polishes stainless, chrome and nickel silver.

No. 13880 Red 6 Oz. **\$6.50 each**

High luster on stainless, brass, nickel silver and platinum

No. 13884 Green 7 Oz. **\$5.00 each**

Fast cutting on brass, copper and aluminum.

No. 13885 Tripoli 4 Oz. **\$4.50 each**

Eurolustre Metal Polishing Compound



Removes light scratches. Produces mirror finish. No discoloration. For precious metals, brass and pewter. Greaseless. Little residue.

No. 29288 1 lb. **\$7.50 each**

Polishing Compound Kit



Contains five polishing compounds: red, plastic, yellow, tripoli and emery.

No. 13886 **\$19.50 kit**

Novus Plastic Polish



Cleans and restores most plastic products.

No. 1 cleans all plastics. No scratching. Resists finger prints. Contains no abrasives. 2 fl. oz.

No. 23635 **\$3.25 each**

No. 2 removes fine scratches, haziness and abrasions from most plastics. 2 fl. oz.

No. 23636 **\$4.50 each**

No. 3 removes heavy scratches and abrasions from most plastics. 2 fl. oz.

No. 23637 **\$5.75 each**
140

Polishing Cloth-Rouge-Fabulustre



Double knit. Impregnated with jewelers rouge.
No. 13760 10"x10" **\$6.75 each**

Polishing Cloth



12"x12" impregnated yellow cloth. India.

No. 23451 **\$2.50 each**

Polishing Cloth-Gemstone



NEW

9-3/4" square. For cleaning gemstones. India.

No. 33678 **\$3.00 each**

Polishing Cloth



No. 29260

No. 29261

8" x 6" yellow/red Shinee polishing cloth. Impregnated with jewelers rouge. India.

No. 29260 **\$3.00 each**

12" x 12" siliconized polishing cloth. India.

No. 29261 **\$3.50 each**

Polishing Cloth-Selvyt



Washable. Will not scratch metals. England.

No. 13748 14"x14" **\$14.50 each**

Polish-Simichrome



The finest metal polish you've ever used.

No. 13718 50 Gr. Tube **\$13.00 each**
\$75.00/6 (\$12.50)

No. 13719 250 Gr. Can **\$46.50 each**

Polish-The Solution



Blend of raw beeswax, lemon oil and other fine oils. Will not separate. So mild you can apply with bare hands or a soft cloth. Leaves dried woods with a rich luster. Contains no silicone, lacquers or detergents. 8 fl. oz.

No. 13879 **\$9.00 each**

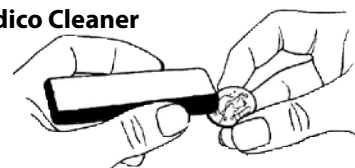
Pumice Stone



Fine abrasive powder is used with oil to produce a fine polish. 1 lb. bag.

No. 18496 **\$6.50 each**

Rodico Cleaner



For cleaning precision parts, balance pivots, train wheel pivots, removing fingerprints and stains from plates, bridges, dials and hands. One piece is 3" long. Swiss.

No. 14330 **\$5.50 each**

Rotten Stone



Use with oil to produce an ultra-high polish, suited for polishing pivots. 1 lb. bag.

No. 18497 **\$6.50 each**

Tibet Almond Stick



Hides scratches on mahogany, walnut, oak and other finishes. Used by woodworkers around the world. 2-3/4" stick.

No. 17750 **\$11.50 each**

Other

Cleaning Solutions-Ultrasonic & Mechanical

Polychem® Non-Ammoniated Deox-007 Degreaser, Deoxidizer & Brightener



Concentrated, mildly alkaline blend of surfactants, sequestrants and emulsifying agents. Excellent cleaning. Removes tarnish, stains, corrosion and oxidation from copper, brass, bronze, gold and silver parts. Use in ultrasonic tank or manually. Non-hazardous. No strong odor. Brightens metals. Use in 7:1 ratio with water.

No. 16025 **\$8.50 pint**
No. 16023 **\$31.50 gallon**

\$124.00/4 (\$31.00)

Polychem® Polytect 2CB Rinse



Anti-tarnishing and corrosion inhibiting rinse for above. Imparts a transparent protective film to metal surfaces. After cleaning, rinse parts with water, then immerse in rinse for 30 seconds. Air dry. For use on metal.

No. 16024 **\$28.00 gallon**
\$110.00/4 (\$27.50)

Zenith R Cleaning Solutions

Buy any 4 gallons (mix and match) and deduct \$1.00 per gallon from unit price.

Zenith® Watch & Clock Cleaning Concentrate



Product #251NA is water based and non-ammoniated. Equal in cleaning power with other ammoniated water based products. Will not dissolve shellac, varnish or lacquer when mixed. One gallon makes 8 gallons. Rinse with water and dry immediately in the heating chamber of your unit or blow dry.

No. 33000 **\$44.00 gallon**
\$172.00/4 (\$43.00)

Other:

Cleaning, Polishing & Finishing Supplies

Zenith® Hi-Tech Cleaner

Product #1000 is fast acting and aggressive, but gentle enough not to remove lettering from baked-on coatings. Enhanced cleaning power removes hardened grease and oil, leaving movements restored to their original brilliance. Low odor, safe to use and non-ammoniated.

No. 33005 \$44.00 gallon
\$172.00/ 4 (\$43.00)



Zenith® Hi-Solv Rinse

Product #1001 continues the strong dissolving cleaning action by rinsing away all debris and cleaning solution that had adhered to movements, restoring them to their original luster and shine.

No. 33006 \$44.00 gallon
\$172.00/ 4 (\$43.00)



Zenith® Drizebrite Rinse

Product #101 leaves watch and clock parts spotless without any oily film when dried at room temperature or in a heating chamber. Restores parts and movements to their original luster after cleaning. Odorless. Use in most ultrasonic and Vibrograf cleaning machines.

No. 33001 \$44.00 gallon
\$172.00/ 4 (\$43.00)



Zenith® #3 Rinse

Product #231 is a clear, odorless petroleum based rinse. Ideal for watches and clocks as it restores parts to original shine and luster.

No. 33002 \$44.00 gallon
\$172.00/ 4 (\$43.00)



Zenith® Formula #67 Cleaner

Product #206 is a waterless ammoniated cleaner without ammonia fumes. Low odor. Use in ultrasonic and mechanical units. Dissolves old grease and oil. Breaks bonds between hardened debris on metal watch and clock parts.

No. 33003 \$44.00 gallon
\$172.00/ 4 (\$43.00)



Zenith® Z-88 Concentrate

Product #253 is a non-ammoniated all purpose, superior cleaner for the horological and jewelry industries. Easily removes residue and lapping compounds from metal parts. One gallon makes 16 gallons, or vary the ratio of concentrate to water to accommodate the cleaning strength required.

No. 33004 \$28.50 gallon
\$110.00/ 4 (\$27.50)



Zenith® Hair Spring Cleaner

Product #505 is an excellent degreaser. Evaporates fast leaving delicate hair springs and small parts clean and dry. 100 ml bottle.

No. 32900 \$18.50 each



L & R Cleaning Solutions



Shipped by UPS ground. For use on metal.

L & R Clock Cleaning Concentrate

Water based, ammoniated solution. Economical, mix 7 parts water to 1 part solution. Non-flammable.

No. 16000 \$55.00 gallon
\$218.00/ 4 (\$54.50)

L & R #111 Waterless Watch Cleaner

A waterless solution for cleaning machines.

No. 16009 \$49.50 gallon
\$196.00/ 4 (\$49.00)

L & R #112 Ammoniated Instrument Cleaner

Ammoniated waterless clock and instrument solution brings plates to a high luster.

No. 16002 \$72.00 gallon
\$286.00/ 4 (\$71.50)

L & R #222 Non-Ammoniated Ultrasonic Cleaner

Waterless formula works fast. For use in areas where odors may be a problem.

No. 16005 \$73.00 gallon
\$290.00/ 4 (\$72.50)

L & R #566 Non-Ammoniated Watch Cleaner

Low odor for ultrasonic cleaners.

No. 16022 \$50.50 gallon
\$200.00/ 4 (\$50.00)

L & R #677 Cleaner

Non-ammoniated cleaning solution.

No. 16004 \$50.50 gallon
\$200.00/ 4 (\$50.00)

L & R #109 Extra Fine Watch Cleaner

Waterless cleaner provides uniform results on delicate watch parts.

No. 16013 \$48.00 gallon
\$190.00/ 4 (\$47.50)

L & R #3 Clock & Watch Rinse

Crystal clear petroleum based solution. Slow drying, won't attack lacquer.

No. 16006 \$44.00 gallon
\$174.00/ 4 (\$43.50)

L & R Clock & Instrument Rinse

Use with #112 and #222 solutions. Fast drying. Not for use with plastics.

No. 16003 \$65.00 gallon
\$258.00/ 4 (\$64.50)

L & R Ultrasonic Watch Rinse

Fast drying for clocks, watches, and small parts.

No. 16012 \$44.00 gallon
\$174.00/ 4 (\$43.50)

L & R Clock Lube & Rinse

For use with #677. Rinses and lubricates.

No. 16008 \$57.50 gallon
\$228.00/ 4 (\$57.00)

Other: Clocks, Clock Kits & Related

Hour Glass



Three minute hour glass in a finished wood frame. 4" tall, 1-1/2" diameter.

No. 18745 \$2.50 each

Do It Yourself Clock



Complete kit with see-through plastic face, colorful plastic gears and swinging pendulum. Keeps time. Rings a bell on the hour. 33 pieces to assemble. Instructions included. 8-1/2" tall. Ages 6 years to adult.

No. 20003 \$15.00 each

Talking Time/ Temperature Alarm Clock



Jumbo 1-1/2" time and temperature display with talking function and alarm capability. Select Celsius or Fahrenheit format. Select 12 or 24 hour display. 5" wide x 3" tall x 1-1/2" deep. White plastic case. With instructions. China.

No. 32385 \$13.50 each

The Original Kit-Cat Klock®



Eyes and tail move back and forth. Individually boxed. Black plastic with white eyes and details. Quartz movement uses 2-"C" batteries, not included. 15-1/4" tall x 4" wide.

No. 19012 \$46.50 each
\$138.00/ 3 (\$46.00)

The Kitty-Cat Klock®

Smaller sibling of the Kit-Cat Klock®. Quartz movement uses a "AA" battery (not included). 12" tall x 3" wide.

No. 19501 \$37.50 each
\$111.00/ 3 (\$37.00)

Kit-Cat Klock® & Kitty-Cat Klock® Parts



Black tail is 6-1/2" long fits both Kit-Cat Klock® and Kitty-Cat Klock®. Eyes are sold in pairs.

No. 34030 Black Tail \$7.50
No. 34031 ... Kit-Cat Clock Eye Set \$14.00
No. 34032 Kitty-Cat Clock Eye Set \$10.00

Other: Clocks, Clock Kits & Related

Rolling Ball Clock Instructions



This clock is no longer available.

No. 16999 Instructions Only **\$2.00**

Other: Fasteners-Grommets

Regula Lock Washer (E-Clip)



For Regula cuckoo movements. 10-pack.

No. 20914 **\$1.50 pack**

Split Tension Washer (E-Clips)



100 assorted. India.

No. 16978 **\$4.50 pack**

Split Tension Washer (E-Clips) 50-Piece Assortments

NEW



Used on American (inch sizes) and European (metric sizes) clocks. Will fit shaft sizes shown.

No. 33791 Inch Sizes: .062", .094" & .125" (1/16", 3/32" and 1/8") **\$3.75 pack**

No. 10569 Metric Sizes: M2, M3 & M4 (.0787", .118" and .155") **\$3.75 pack**

Split Tension Washer (E-Clips)-Large



4 different sizes to fit .140", .156", .172" and .188" shafts. 40 assorted.

No. 19781 **\$3.00 pack**

E-Clip Assortment



300 assorted in a partitioned plastic case. Sizes from 1/16" to 7/8".

No. 21071 **\$14.00 asst**

Brass Grommet Assortment



24 assorted door and dial grommets. India.

No. 23802 **\$4.25 pack**

Grommet-Dial-Tall Case



Brass. 5/8" O.D. x 7/16" I.D. 10 teeth. India.

No. 17827 **50¢ each**
142

Grommets-Dial



10 teeth. 12-pack. India.

No. 10400 1/2" OD x 3/8" ID Brass

No. 15979 1/2" OD x 3/8" ID Nickeled

No. 12732 .. 1-Day 9/16" OD x 13/32" ID Brass

No. 12733 8-Day 5/8" OD x 15/32" ID Brass

\$1.50 pack \$8.10/6 (\$1.35)

Brass. 4 teeth. 5-pack. Germany.

No. 20966 7/16" OD x 5/16" ID **\$2.00**

No. 20967 1/2" OD x 3/8" ID **\$2.00**

Vienna Dial Grommet & Clip



Brass winding arbor grommet. Set consists of one grommet and one clip. The dimension indicated is the hole size the grommet fits.

No. 13551 10.0mm ID **\$2.75 set**

Grommets-Keyhole Barrel-Closeout



Brass. Germany. Barrel diameter x overall height is shown. **Was \$1.50.**

No. 00658 7.0mm D x 5.6mm H **50¢ each**

No. 00661 8.0mm D x 4.6mm H **50¢ each**

Grommet Assortment- Brass



21 pieces. 7 different, 3 pieces of each. Includes 15 dial and 6 keyhole grommets. 6 dial grommets have a black oxide finish. Suitable for 5/16" to 3/8" holes. Germany.

No. 29183 **\$27.50 pack**

Grommets- Rubber



7/16" OD x 3/16" ID x 1/4" thick. Has a groove 1/16" wide x 1/16" deep.

No. 23495 **40¢ each**

Other: Fasteners-Brads, Nails & Pins

Brads- Brass Split



100-pack. Flat body is .016" thick x .050" wide. .175" diameter head. 1/4" long.

No. 10062 **\$1.75 pack**

Brads and Nails-Steel



No. 10540



No. 10644

144 of each size to a package.

No. 10540 Brad 5/8" x #18 **\$2.00 pack**

No. 10644 Nail 3/4" x #18 **\$2.00 pack**

Brad & Nail 100-Piece Assortment



25 pieces each of 1", 1-1/8", 1-1/2", and 1-7/8".

No. 21069 **\$1.50 pack**

Nails-Steel Cut



Hard to find cut nail. Use on early clocks for an authentic look. 24-piece pack.

No. 17481 1 3/4" **\$4.50 pack**

Pins-Escutcheon



50 brass pins in a package.

No. 19734 #18 x 1/4" **\$1.50 pack**

No. 19735 #18 x 1/2" **\$1.50 pack**

No. 19736 #18 x 3/4" **\$1.50 pack**

Pins-Escutcheon



Brass #16 x 1/2". 250-piece pack.

No. 23959 **\$3.00 pack**

Pins-Pillar



Rectangular. 15/16" long. 50-piece pack.

No. 18150 .020"-.060" x .025" thick **\$4.00**

No. 18151 .035"-.075" x .032" thick **\$4.00**

No. 18152 .050"-.090" x .040" thick **\$4.00**

\$11.25/3 (\$3.75)

Pins-Tapered Steel Dial



.060" to .108" X 2" long. 4 in a pack.

No. 20086 **\$2.50 pack**

Pins-Tapered .600" Long



American made. .600" long. 50-pack.

No. 23832 Brass .010" x .026"

No. 23833 Brass .024" x .040"

No. 23834 Brass .034" x .050"

No. 23835 Brass .044" x .060"

No. 23836 Brass .054" x .070"

No. 23837 Steel .010" x .026"

No. 23838 Steel .024" x .040"

No. 23839 Steel .034" x .050"

No. 23840 Steel .044" x .060"

No. 23841 Steel .054" x .070"

\$4.00 pack \$11.25/3 (\$3.75)

Pin Assortments- Tapered .600" Long



250 assorted, 50 of each size listed above.

No. 23852 Brass Assortment

No. 23853 Steel Assortment

\$20.00 pack \$39.00/2 (\$19.50)

Other:

Fasteners-Brads, Nails & Pins

Pins-Horolovar Tapered 1" Long

No. 10469Brass 40-pack .030"x .065"x 1"
 No. 10471Steel 50-pack .012"x .050"x 1"
 No. 17771Steel 40-Pack .030"x .065"x 1"
 No. 10472Steel 40-Pack .054"x .075"x 1"
\$5.25 pack \$15.00/ 3 (\$5.00)

Pins-Tapered 1" Long

1" long. 50-pack.

No. 11512	..... Brass	.015" x .050"
No. 12393	..... Brass	.030" x .065"
No. 11513	..... Brass	.045" x .080"
No. 11514	..... Brass	.060" x .095"
No. 12394	..... Steel	.015" x .050"
No. 12395	..... Steel	.030" x .065"
No. 12396	..... Steel	.045" x .080"
No. 11515	..... Steel	.060" x .095"
\$5.50 pack \$15.75/ 3 (\$5.25)		

1" long. 100-pack.

No. 34090	..... Brass	.015" x .050"
No. 34091	..... Brass	.030" x .065"
No. 34092	..... Brass	.045" x .080"
No. 34093	..... Brass	.060" x .095"
No. 34094	..... Steel	.015" x .050"
No. 34095	..... Steel	.030" x .065"
No. 34096	..... Steel	.045" x .080"
No. 34097	..... Steel	.060" x .095"
\$9.50 pack \$27.75/ 3 (\$9.25)		

Pin Assortments-Tapered 1" Long



100 assorted, 25 of each size listed above.

No. 17464 Brass Assortment
 No. 17465 Steel Assortment
\$13.50 pack \$26.00/ 2 (\$13.00)

Pins-Tapered-25-Piece Pack Large Size



.102" tapering to .070" x 1-1/4" long brass pins.

No. 33376 Brass **\$2.50 pack**
 No. 33683 Steel **\$2.50 pack**

Pin Assortment-Tapered



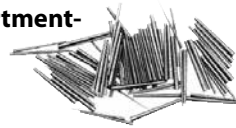
140 pieces total. 20 pieces each of the following sizes in brass and steel:

- .012" x .050" x 1" Long
- .030" x .065" x 1" Long
- .045" x .075" x 1" Long

And 20 pieces of steel pins .071" x .102" x 1.250". Germany.

No. 31051 **\$26.00 pack**

Pin Assortment-Tapered



100-piece assortments. 20 pieces each of 5 different sizes, India:

- .197" Long x .0200" tapering to .0120"
- .236" Long x .0275" tapering to .0200"
- .354" Long x .0350" tapering to .0275"
- .472" Long x .0470" tapering to .0315"
- .472" Long x .0590" tapering to .0390"

No. 10501 Brass **\$10.50 pack**
 No. 10502 Steel **\$10.50 pack**

Other: Nuts

Clock Nuts



100 assorted metric clock hex nuts. India.

No. 15493 Brass **\$6.00 pack**
 No. 15494 Nickel **\$6.00 pack**

Clock Nuts-Closeout



Nickel. 50-piece packs. Was \$6.00.

No. 01024 M2.5 x 0.45 **\$2.00 pack**
 No. 01025 M3.0 x 0.50 **\$2.00 pack**
 No. 01026 M3.5 x 0.60 **\$2.00 pack**
 No. 01034 M4.0 x 0.70 **\$2.00 pack**

Other: Screws

Ansonia Screws



#5-44 x 1/2" brass screw for Ansonia clocks.

No. 20193 **\$4.00 each**

Screws-Case & Bezel-Closeout



Brass slotted fillister head screws for small German French and Swiss clocks. Was \$1.00.

No. 01114 M2.2 x .45 x 4.0mm **\$0.50**
 No. 01115 M2.2 x .45 x 10.0mm **\$0.50**
 No. 01113 M2.5 x .45 x 3.2mm **\$0.50**

Mounting Screws-Steel Platform Escapement



	Thread Diameter	Overall Length	
No. 23104	.... 1.0mm x 7mm		\$2.50 each
No. 29749	.. 1.2mm x 6.5mm		\$2.50 each
No. 23105	.... 1.2mm x 8mm		\$2.50 each
No. 23106	.. 1.4mm x 10mm		\$2.50 each
No. 23107	.. 1.6mm x 11mm		\$2.50 each
No. 23108	.. 1.8mm x 12mm		\$2.50 each

Screw-Schatz-Closeout



Minute hand shoulder screw for Schatz #53 (Part #46-153). M1.4 thread x 6.5mm long under head with a 1.75mm shoulder. Was \$2.00.

No. 00284 **50¢ each**



Brass hex screw for Schatz #53 (Part #10-1003). M2.5 x 5.5mm long. Was \$5.00.

No. 00285 **\$2.00 each**



Brass saddle screw for Schatz #53 (Part #46-43). M2 x 4.0mm slotted fillister head. Use in other applications. Was \$3.00.

No. 00286 **\$1.00 each**



Steel saddle shoulder screw for Schatz #53 (Part #46-55). M1.4 x 8.0mm with 3.0mm diameter shoulder. Was \$4.00.

No. 00288 **\$1.00 each**

Thumb Screw-Brass



No. 23676 . #8-32 x 1/4" long **\$1.00 each**
 No. 23677 . #8-32 x 3/8" long **\$1.00 each**

Optical & Watch Mini Screw Assortment



1000 pieces. Mini slotted brass and steel machine screws.

11 compartment storage box. M0.5 to M1.5 diameter up to 5.0mm long. India.

No. 29022 **\$19.50 pack**

250 piece assortment includes nose pads, miniature screws for eyeglasses and mechanical and quartz watches (including Casio watch backs). 12 compartment box, each section marked with the contents. India.

No. 29701 **\$9.50 pack**

Watch Repair Screw Assortment

900 pieces. 50 pieces each of the most common sizes: 1.2mm shaft diameters by lengths measuring 1.6mm to 4.0mm under the head. Contains head diameters of 1.6mm, 2.0mm and 2.5mm. In a plastic storage box.

No. 32430 **\$19.50 pack**

Screw Assortment-Bell & Case Fitting



100 piece assorted sizes of slotted brass metric fillister head screws. India.

No. 11619 **\$7.50 pack**

Dial Screw Assortment-40 Pieces



Wood Screws. 4 each of #0, #1, #2, #3, and #4 sizes. 1/4" and 3/8" long slotted brass round and flat heads. In a labeled partitioned box.

No. 32196 **\$7.50 pack**

Dial Screw Assortment-20 Pieces



Machine Screws. 4 each of #0, #1, #2, #3 and #4 sizes. All are 3/8" long slotted stainless steel fillister heads. In a labeled partitioned box.

No. 32197 **\$7.50 pack**

Mini Wood Screw Assortment



1400 brass slotted (may include phillips if small slotted sizes not available) wood screws in a storage box. #0 through #5 up to 3/4" long.

No. 16397 **\$49.50 each**
143

**18-8 Stainless Steel Slotted Fillister Head Machine Screws**6 of one size in a package. **\$2.00 pack of 6**

Part #	Size	Length	Part #	Size	Length	Part #	Size	Length	Part #	Size	Length
No. 16200	#0-80	3/16"	No. 16209	#1-72	3/8"	No. 16218	#2-56	1/2"	No. 16230	#4-40	3/16"
No. 16201	#0-80	1/4"	No. 16210	#1-72	1/2"	No. 16220	#2-56	3/4"	No. 16231	#4-40	1/4"
No. 16203	#0-80	3/8"	No. 16211	#1-72	5/8"	No. 16222	#3-48	1/8"	No. 16233	#4-40	3/8"
No. 16204	#0-80	1/2"	No. 16212	#2-56	1/8"	No. 16223	#3-48	1/4"	No. 16235	#4-40	1/2"
No. 16205	#0-80	5/8"	No. 16213	#2-56	3/16"	No. 16224	#3-48	5/16"	No. 16237	#4-40	3/4"
No. 16206	#1-72	1/8"	No. 16214	#2-56	1/4"	No. 16225	#3-48	3/8"	No. 16244	#5-40	3/16"
No. 16208	#1-72	1/4"	No. 16216	#2-56	3/8"	No. 16226	#3-48	1/2"	No. 16249	#5-40	3/4"

**The Largest
Selection Of
Fasteners In
The Trade**

**Metric Low Carbon Steel Slotted Cheese Head (DIN 84A) Plain Finish Machine Screws**

No. 16300 through No. 16317 \$2.50 pack of 4

No. 16318 through No. 16356 \$2.50 pack of 8



Part #	Size	Length	Part #	Size	Length	Part #	Size	Length	Part #	Size	Length	Part #	Size	Length
No. 16300	M1	4mm	No. 16311	M1.4	10mm	No. 16324	M2	22mm	No. 16336	M3	8mm	No. 16356	M4	40mm
No. 16301	M1	6mm	No. 16313	M1.6	4mm	No. 16325	M2	25mm	No. 16337	M3	10mm	No. 16340	M3	20mm
No. 16302	M1	8mm	No. 16314	M1.6	6mm	No. 16326	M2.5	4mm	No. 16338	M3	12mm	No. 16341	M3	25mm
No. 16303	M1	10mm	No. 16315	M1.6	8mm	No. 16327	M2.5	6mm	No. 16329	M2.5	10mm	No. 16343	M3	35mm
No. 16304	M1.2	4mm	No. 16316	M1.6	10mm	No. 16328	M2.5	8mm	No. 16330	M2.5	12mm	No. 16344	M3	40mm
No. 16305	M1.2	6mm	No. 16317	M1.6	12mm	No. 16319	M2	6mm	No. 16331	M2.5	16mm	No. 16345	M4	4mm
No. 16306	M1.2	8mm	No. 16318	M2	4mm	No. 16320	M2	8mm	No. 16333	M2.5	25mm	No. 16347	M4	8mm
No. 16307	M1.2	10mm	No. 16309	M1.4	6mm	No. 16322	M2	12mm	No. 16334	M3	4mm	No. 16348	M4	10mm
No. 16308	M1.4	4mm	No. 16310	M1.4	8mm	No. 16323	M2	16mm	No. 16335	M3	6mm	No. 16349	M4	12mm

Brass Mini Slotted Round Head Machine Screws**Brass Mini Slotted Flat Head Machine Screws**

\$6.00 each pack of 12

\$6.00 each pack of 12

Part #	Size	Length	Part #	Size	Length
No. 18795	#00-90	1/8"	No. 18813	#00-90	1/8"
No. 18796	#00-90	1/4"	No. 18814	#00-90	1/4"
No. 18797	#00-90	3/8"	No. 18815	#00-90	3/8"
No. 18799	#0-80	1/8"	No. 18819	#0-80	3/8"
No. 18800	#0-80	1/4"	No. 18820	#0-80	1/2"
No. 18801	#0-80	3/8"	No. 18821	#1-72	1/8"
No. 18802	#0-80	1/2"	No. 18822	#1-72	1/4"
No. 18803	#1-72	1/8"	No. 18823	#1-72	3/8"
No. 18804	#1-72	1/4"	No. 18825	#2-56	1/8"
No. 18805	#1-72	3/8"	No. 18826	#2-56	1/4"
No. 18806	#1-72	1/2"	No. 18827	#2-56	3/8"
No. 18807	#2-56	1/8"	No. 18828	#2-56	1/2"
No. 18808	#2-56	1/4"			
No. 18809	#2-56	3/8"			
No. 18810	#2-56	1/2"			

Metric Brass Hex Nuts

(DIN 934) Plain Finish

4 of a size to a pack.
\$2.00 pack of 4

Part #	Size	Width	Thick
No. 16365	M1	2.5MM	0.8MM
No. 16366	M1.2	3.0MM	1.0MM
No. 16367	M1.4	3.0MM	1.2MM
No. 16368	M1.6	3.2MM	1.3MM

Metric Brass Hex Nuts

(DIN 934) Plain Finish

10 of a size to a pack.
\$2.00 pack of 10

Part #	Size	Width	Thick
No. 16369	M2	4.0MM	1.6MM
No. 16370	M2.5	5.0MM	2.0MM
No. 16371	M3	5.5MM	2.4MM
No. 16372	M4	7.0MM	3.2MM

Washers-Metric Flat

(DIN 433) Plain Finish

20 of one size to a pack.
\$2.50 each pack of 20

Part #	Size	ID	OD	Thick
No. 16360	M1.6	1.7	3.5	0.3
No. 16361	M2	2.2	4.5	0.5
No. 16362	M2.5	2.7	5.0	0.5
No. 16363	M3	3.3	6.0	0.5
No. 16364	M4	4.3	8.0	0.5

Steel Machine Screw Nuts Zinc Plated

25 of a size to a pack.

\$1.50 each pack of 25

Part #	Size	Width	Thick
N/A	#00-90	.078"	.040"
No. 17874	#0-80	.156"	.046"
No. 17875	#1-72	.156"	.046"
No. 17876	#2-56	.187"	.0625"
No. 17877	#3-48	.187"	.0625"
No. 17878	#4-40	.250"	.093"
No. 17879	#5-40	.312"	.109"
No. 17880	#6-32	.312"	.109"
No. 17881	#8-32	.343"	.125"

Brass Machine Screw Nuts

10 of a size to a pack. \$1.50 pack

Part #	Size	Width	Thick
No. 16279	#0-80	.156"	.046"
No. 16280	#1-72	.156"	.046"
No. 16281	#2-56	.187"	.0625"
No. 16283	#3-48	.187"	.0625"
No. 16284	#4-40	.250"	.093"
No. 16286	#5-40	.312"	.109"
No. 16287	#6-32	.312"	.109"
No. 16288	#8-32	.343"	.125"

Washers-18-8 Stainless Steel

20 of one size to a pack.

\$1.50 each pack of 20

Part #	Size	ID	OD	Thick
No. 16271	#0	.0625	.156	.020
No. 16272	#1	.078	.187	.025
No. 16273	#2	.093	.250	.025
No. 16274	#3	.109	.250	.031
No. 16275	#4	.125	.312	.031
No. 16276	#5	.135	.312	.031
No. 16277	#6	.149	.375	.031
No. 16278	#8	.174	.375	.031

**Metric To Inch
Conversions & Thread
Explanations Are On
Page #158**

Slotted Brass Wood Screws

100 of a size to a pack.

RH=Round Head



FH=Flat Head



Part #	Size	Length	Price	Part #	Size	Length	Price	Part #	Size	Length	Price	Part #	Size	Length	Price
No. 18843	#0RH	1/4"	\$4.00	No. 18848	#2FH	5/8"	\$4.50	No. 11970	#4FH	3/8"	\$5.00	No. 18867	#5FH	1"	\$8.50
No. 18844	#0FH	1/4"	\$4.00	No. 18849	#2FH	3/4"	\$4.50	No. 11971	#4RH	1/2"	\$5.00	No. 11972	#6RH	3/8"	\$6.50
No. 18845	#1RH	1/4"	\$4.00	No. 18850	#3RH	1/4"	\$4.50	No. 10404	#4FH	1/2"	\$5.00	No. 11973	#6FH	3/8"	\$6.50
No. 16396	#1FH	1/4"	\$4.00	No. 18851	#3FH	1/4"	\$4.50	No. 18858	#4FH	5/8"	\$5.00	No. 11975	#6RH	1/2"	\$6.75
No. 18846	#1RH	3/8"	\$4.00	No. 18852	#3RH	3/8"	\$4.50	No. 18859	#4FH	3/4"	\$5.50	No. 11974	#6FH	1/2"	\$6.75
No. 18847	#1FH	3/8"	\$4.00	No. 18853	#3FH	3/8"	\$4.50	No. 18860	#4FH	1"	\$6.00	No. 18868	#6FH	5/8"	\$7.00
No. 10406	#2RH	1/4"	\$4.25	No. 18854	#3RH	1/2"	\$5.00	No. 18861	#5FH	3/8"	\$5.50	No. 18869	#6FH	3/4"	\$8.00
No. 11964	#2FH	1/4"	\$4.25	No. 18855	#3FH	1/2"	\$5.00	No. 18862	#5RH	3/8"	\$5.50	No. 18870	#6FH	1"	\$9.50
No. 10407	#2RH	3/8"	\$4.25	No. 18856	#3RH	5/8"	\$5.00	No. 18863	#5RH	1/2"	\$6.00	Steel Wood Screws			
No. 10403	#2FH	3/8"	\$4.25	No. 18857	#3FH	3/4"	\$5.00	No. 18864	#5FH	1/2"	\$6.00	No. 10405	#8FH	3/8"	\$9.25
No. 11965	#2RH	1/2"	\$4.25	No. 11968	#4FH	1/4"	\$5.00	No. 18865	#5FH	5/8"	\$6.00	No. 10635	#10FH	3/8"	\$9.50
No. 11966	#2FH	1/2"	\$4.25	No. 11969	#4RH	3/8"	\$5.00	No. 18866	#5FH	3/4"	\$6.50				

Other: Screws

Wood Screw Assortment



NEW

100 piece assortment of round and flat head brass and nickle wood screws for kitchen clocks and wood doors. India.

No. 33682 \$5.00 each

Other: Rivets

Rivets-Shoulder



50 steel rivets are used on clicks. 1/16" diameter x .164" long with a .105" shoulder.

No. 11704 \$7.50 pack

Rivet Assortment



100 assorted brass rivets. India.

No. 17730 \$7.00 pack

Other: Fasteners-Collets & Washers

Collets-Hand



Brass hand collets. 2.3mm I.D.

No. 18225 11.25mm Diameter

No. 18226 12.75mm Diameter

\$1.50 each \$3.75/ 3 (\$1.25)

Hermle Chain Wheel Lock Washer



Wheel retainer. 14mm OD x 4.7mm ID.

No. 20106 50¢ each

Kieninger Winding Wheel Retainer



For Kieninger chain and cable driven movements.

No. 20904 30¢ each

Washer Assortments-Flat



100 assorted flat washers with round holes.

No. 15495 Brass Washer

No. 15496 Nickel Washer

\$5.00 pack \$9.50/ 2 (\$4.75)

Hand Washers-Domed Brass Cuckoo



Round high domed washers. 8.25mm diameter with a 2.4mm hole. 10-pack.

No. 20806 \$2.50 pack

Hand Washer Assortment-Domed Steel



100 assorted convex square and round hole. Black oxide finish. India.

No. 32051 \$5.50 pack

Minute Hand Washer-Tall Case



Brass. 12.5mm . x 1.5mm T. 3.2mm center hole.

No. 29742 \$1.75 each

Hand Washer-Domed



25 assorted convex brass sizes.

No. 10497 Square Hole Brass \$8.00 pack

No. 10499 Round Hole Brass \$8.00 pack

Washer Assortment-Domed



Assorted blackened round convex washers. 100 per pack. Round and square holes. India.

No. 23786 \$5.00 pack

Hand Washer Assortment-Domed Brass



100 pieces, round, square and oblong holes.

No. 10401 \$6.50 pack

\$18.75/ 3 (\$6.25)

Washer Assortment



720 piece nickle set includes flat, split, internal and external tooth washers. Sizes #6 through 3/8". Plastic storage box. China.

No. 14507 \$9.50 pack

Hand Washer Assortment-Quartz



Brass washers in 3 sizes: 7mm convex with round hole, 6mm and 8mm flat brass with oblong holes. 12-pack.

No. 20970 \$4.00 pack

Washers- Movement



10.0mm O.D. x 2.0mm I.D. x 0.3mm thick brass washer. 10-pack. Fits Hermle and others.

No. 24535 \$5.00 pack

Washers-Tension



Used on Hermle #340-020, but can be used in other applications. 6.0mm O.D. x 3.2mm I.D. x 0.3mm thick wave washer. 10-pack.

No. 24536 \$3.00 pack

Washer-Hour Wheel Tension



100 assorted small, thin, brass, convex washers used on 400 day and other clocks and watches.

No. 17723 \$1.50 pack

Washer-Hour Wheel Tension-Closeout



144 assorted 3.5mm OD convex brass foil washers with round hole ID's. Used on watches and small clocks. **Was \$7.50 pack.**

No. 01112 \$2.00 pack

Tension Washer-Brass



No. 12722 1/8" ID x 7/8" Long \$1.25 each



Convex. 1/8" square mounting hole. 1.087" long x .472" wide x .028" thick. India.

No. 33474 \$1.50 each

Tension Washer-Tall Case



14.9mm wide x 58.7mm long x 0.8mm thick with a 6.1mm hole. Brass.

No. 29723 \$3.00 each

Other: Labels & Tags

"Repaired By" Labels



Self-adhesive labels inform customers who repaired their clock and when. Black on a white background. 5 labels per sheet.

No. 20492 \$2.00 sheet

\$5.25/ 3 (\$1.75)

Repair Tags



5-1/4" x 2-5/8". Sequentially numbered manila tags are perforated. Easy to fill out.

No. 13887 100-pack \$6.50 pack

\$60.00/ 10 (\$6.00)

Triple Duty Repair Envelopes



Two detachable numbered checks in addition to numbered envelope, one for customer, one for you. 3 step check numbering system prevents loss. Buff paper. Numbered 1 to 1,000.

No. 15271 \$58.00 pack

Jewelry String Tags



White card stock with strings. 1000 in a pack.

No. 15365 \$6.50 pack

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Other: Clocks, Clock Kits & Related

Brass Spray Lacquer



Prevents tarnish. 10 oz. spray can. Cannot be shipped by air. Ships UPS or USPS.
No. 18949 \$13.00 each

Gold Colored Spray Lacquer



Produces a simulated 24 kt. gold color when applied to polished or satin finished brass. 12 fl. oz. Cannot be shipped by air.
No. 20722 \$20.00 each

Metallic Spray-On Finishes



Opaque solid. Use on metal, wood, ceramics, picture frames and other objects. Interior use only. 13 oz. Flammable.
No. 30409 Antique Gold \$16.00
No. 30411 Bright Gold \$16.00

Can Gun Aerosol Spray Heads



Change spray heads on aerosols to customize the spray pattern, or to replace clogged heads.
No. 30417 ... Standard Spray Head 50¢
No. 30418 Fine Spray Head 50¢
No. 30419 Medium Spray Head 50¢
No. 30420 Heavy Spray Head 50¢
No. 30421 Large Cone Spray Head 50¢
No. 30422 .. Large Fan Spray Head 50¢
No. 30423 1 each of above \$2.50

Can Gun



Attaches to the top of most aerosol cans, turning them into instant spray guns.
No. 29847 \$3.75 each

Other: Novelties

Clock Face Button



Plastic 3/4" buttons. Gold bezel, beige dial and black Roman numerals.
No. 32786 \$1.25 each 6/\$6.00 146



8" tall stretch acrylic knit embroidered beanie with white trim. One size fits most.
No. 32939 I Love Clocks (Black) \$14.50
No. 32966 Clock Doc (Navy) \$14.50

Size doesn't
matter...
Time does.

Royal Blue
No. 70024 L
No. 70025 XL
No. 70026 ... XXL

KEEP
CALM
TIME
WILL
CARRY
ON

Heather Blue
No. 70027 L
No. 70028 XL
No. 70029 ... XXL



**Khaki With Navy
Embroidery
No. 75002**



**Black With White
Embroidery
No. 75003**



**Red With Black
Embroidery
No. 75004**



**Black With White
Embroidery
No. 75000**

T-Shirts
L-XL \$15.00 each 3/\$42.00
XXL \$17.00 each

Embroidered Hats
\$18.00 each
3/\$51.00

Coffee Mugs



Your choice of clever mugs as shown.
No. 32162 Clock Man
No. 32195 Worlds Greatest Horologist
\$7.50 each \$14.00/ 2 (\$7.00)

Charms

Create your own jewelry. Novel assorted pack of bronzed metal charms. Small parts. Keep out of reach of children. China.



With silvered and bronzed charms. 11 pieces 5/16" to 1-1/8".
No. 32268 \$5.50 pack

Elgin Poster Stamps



Limited supply. Colorful original 1920's poster advertising stamps are 2" x 2-5/8". Mint and unused. Sets of 3 (no choice of subject).
No. 20215 \$15.00 set

Rolex Print By David Penney



16" x 20" full color print is signed in pencil by the artist. Limited supply.
No. 20214 \$45.00 each

Other: Oils & Greases

Etsyntha B52 Grease



For mainsprings, ratchets and winding mechanisms. Soft, semi-liquid has a wide working temperature range. 7 grams.
No. 13756 \$12.50 each

Etsyntha 859 Clock Oil Kit



Contains 859 Clock oil, B52 grease, oil cup, transfer rod, two precision oilers and pithwood cleaning block in a plastic case.
No. 13755 \$53.00 kit

Etsyntha Silber Watch Oil



Synthetic watch lubricant specially formulated for jeweled bearings and precision parts. For pocket and wrist watches. Excellent pressure absorption. Low spread rate.
No. 14817 3.5ML \$28.50 each

Other: Oils & Greases

Etsyntha 859 Clock Oil



Synthetic lubricant developed for clock movements. Resists oxidation from wear and vapors. Compatible with plastics.

No. 13834	..... 4ML Oiler	\$21.00 each
No. 13752	..... 3.5 ML	\$14.00 each
No. 13753	..... 20 ML	\$56.50 each
No. 13847	..... 50 ML	\$99.50 each

Etsyntha Type 3-5 Oil



Partially synthetic clock oil contains additives for high aging and oxidation stability and high corrosion resistance. Working range of 14°F to 176°F. For use in clocks. Replaces Type 5.

No. 20844	..... 8ML Oiler	\$33.00 each
No. 20845	..... 30ML	\$27.00 each
No. 20846	..... 100ML	\$90.00 each

Horolube Clock Oil



Superfine quality. Formulated from a blend of refined mineral oils. Thin enough to coat working surfaces without stickiness. Repels moisture. No gumming. 60ml bottle. England.

No. 23843	\$10.50 each
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Keystone Clock Pivot Oil



Prevents oxidation and stays put. 2 oz.

No. 15807	\$7.25 each
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Keystone Mainspring Lubricant



Withstands pressures of 300,000 PSI. Outstanding film strength allows mainsprings to release even power for years without binding, rusting, or galling. Displaces moisture caused by insufficient drying or high humidity. Stays put. Contains no graphite or sulphur. 8 fl. oz.

No. 15225	..... Medium	\$9.50 each
No. 15806	..... Light	\$9.50 each

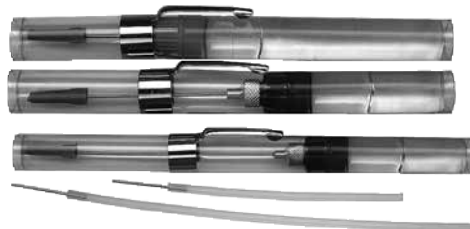
Clock Oiler Set



One of each size No. 13717, No. 13839 and No. 19878. With clear caps and pocket clips.

No. 32320	\$5.75 set
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Precision Pen Oilers



Filled with clock oil that inhibits corrosion. Refillable. Great as giveaways. Made in USA.

No. 13717	..... 1" Long Needle	.25 Oz.
		\$1.85 each \$21.00/ 12 (\$1.75)
		\$82.50/ 50 (\$1.65)

No. 13839	.. 2-1/4" Long Needle	.25 Oz.
		\$2.00 each \$22.20/ 12 (\$1.85)
		\$87.50/ 50 (\$1.75)

No. 19878	.. 3-3/8" Long Needle	.25 Oz.
		\$2.25 each \$24.00/ 12 (\$2.00)
		\$92.50/ 50 (\$1.85)

Empty dispensers only.

No. 29341	..... 1" Long Needle	\$1.70
No. 29342	.. 2-1/4" Long Needle	\$1.85
No. 29343	.. 3-3/8" Long Needle	\$2.10

Empty Dispensers Only Assortment

One each of above.

No. 32472	\$5.00 pack
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Precision Oiler Extensions

Slip them onto the tips of our precision pen oilers and extend the working length.

No. 18491	.. 4-1/2" Extension	75¢ each
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No. 18492 8" Extension	75¢ each
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12-Piece Oiler Extension Assortment

6 pieces of each of the 2 sizes listed above.

No. 32485	\$7.50 pack
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KT-22 Micro-Lube Grease & Moisture Sealer

No. 16932



No. 17626

For small gear trains in watches, clocks and other instruments. Never breaks down, creeps or bleeds. Protects against condensation and seals plungers. Waterproofs screw-back watch cases. 1 ounce jar or in a pre-loaded applicator.

No. 16932 Jar	\$4.75
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No. 17626	Syringe Applicator	\$8.00
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Mainspring Grease Bellows



Plastic grease dispensers with 2" metal tip.

No. 29345 1 Oz Empty	\$2.50
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No. 29838 2 Oz Empty	\$2.75
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No. 23310 1 Oz With Grease	\$2.75
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No. 29855 2 Oz With Grease	\$3.00
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Moebius Grease



General purpose mainspring lubricant. Not as thick as grease, but thicker than oil. Can be used in watches, alarm clocks, pendulum clocks and wall clocks. 20ml bottle.

No. 30402 #8200-020	\$22.50 each
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Mainspring Lubricants



Slippery. Contains oxide inhibitors and wetting agents. Long lasting. Petroleum based. Great power transmission.

Medium

No. 19247 2 oz.	\$4.50 each
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No. 19248 4 oz.	\$7.50 each
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No. 19249 8 oz.	\$10.50 each
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Light

No. 19666 2 oz.	\$4.50 each
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No. 19667 4 oz.	\$7.50 each
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No. 19668 8 oz.	\$10.50 each
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Moebius Grease



General purpose mainspring lubricant. Not as thick as grease, but thicker than oil. Can be used in watches, alarm clocks, pendulum clocks and wall clocks. 20ml bottle.

No. 30402 #8200-020	\$22.50 each
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A heavier general purpose grease ideal for winding movements and mechanisms. 20 ml.

No. 13706 #8300-020	\$22.50 each
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Moebius Clock Oils



For clocks, alarm clocks, music box mechanisms and meters not exposed to low winter temperatures. 20ml bottle. #8030-020.

No. 13745	\$18.50 each
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#8031 oil is used in applications at lower temperatures than #8030 oil. 20 ml clock oil.

No. 29757	\$24.50 each
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High viscosity suitable for large clocks, tower clocks and small machines, but can use on smaller clocks. Can use in low temperatures to -20 degrees Centigrade. 20ml. #8040-020.

No. 13746	\$16.50 each
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Moebius Watch Oil



General purpose for chronometers, wrist watches and pocket watches. Outstanding lubrication with little spreading. Low freezing point. Use on pallet jewels, balance pivots, escapement wheels and small movements. 8ml.

No. 13744 #8000-08	\$42.50 each
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Other: Oils & Greases

Novostar Oils and Lubricants



Type B for bracelet watches. Fine oil composed of natural and high viscosity oils. Slightly colored, odorless. Stays fresh for years. 2ml.
No. 29857 **\$14.00 each**



Type H for tower clocks, wall clocks and other large mechanisms. 30ml bottle.
No. 18775 **\$35.50 each**



Type M for pocket watches. 10ml bottle.
No. 29858 **\$21.50 each**



Special lubricant for all mainsprings. Use for winding and setting parts in watches. Spreads uniformly, will not dry out, gum or spread.
No. 30403 30ml **\$16.00 each**
No. 18773 50ml **\$17.50 each**

Nye Oils



Super refined. Will not spread or gum.
No. 13729 ... 1 oz. Watch Oil **\$13.00**
No. 13730 1 oz. Clock Oil **\$11.00**
No. 32145 2 oz. Clock Oil **\$14.50**
No. 13845 4 oz. Clock Oil **\$27.00**

Pioneer Clock & Watch Oil



Good British quality. H.S. Walsh home brand.
No. 32953 .. 100 ml Clock Oil **\$12.00**
No. 32954 .. 100 ml Turret Oil **\$13.00**
No. 32955 .. 50 ml Watch Oil **\$9.00**

Silcon-7 Sealant



High vacuum pressure waterproof watch case sealant prevents leakage of moisture due to worn gaskets. Will not evaporate, harden or breakdown. No affect on watch oils. Unaffected by temperatures. 8 gram vial.
No. 16395 **\$8.00 each**
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J. D. Windles Oils



Clock Oil General purpose medium viscosity oil. Great for marine and brass instruments. Resists deposit buildup and does not gum or evaporate. Prevents oxidation and corrosion. Good in cold conditions. 50 ml. England.
No. 30462 **\$12.50 each**



Turret Oil Heavy viscosity general purpose oil for larger clocks and other applications where quality oil is required. Excellent thermal stability. Inhibits oxidation and corrosion. Long lasting for the protection of turret clocks and other mechanisms. 100 ml. England.
No. 30464 **\$13.50 each**

Rust Remover



No. 19669 4 oz. **\$5.50 each**
No. 19670 8 oz. **\$9.50 each**

SiliKroil Penetrating Oil



Contains silicone. Penetrates microscopic spaces to free rusty and frozen parts. Dissolves greases and carbon.
No. 19244 2 oz. **\$4.00 each**
No. 19245 4 oz. **\$6.50 each**
No. 19246 8 oz. **\$10.50 each**

The System #163 Oil



Synthetic. Does not spread or gum. 1/4 oz.
No. 20523 1/4 oz. **\$12.00 each**

The System #163 Grease



For mainsprings and other sliding parts. 1 oz.
No. 23420 **\$12.00 each**

Other: Pads, Dots & Bumpers

Adhesive Dots



Multiple uses. Double sided. 1" diameter. 15 pieces in a pack. China.
No. 32060 **\$1.00 pack**

Felt Pads



46 pieces. 3/8" and 1/2" self-adhesive pads.
No. 16611 **\$2.00 pack**

Double Sided Mounting Tape



1" wide, 72" long. Adhesive on both sides.
No. 16610 **\$3.50 roll**

Cork Protector Pads



36 pieces. 9/16" self-adhesive pads.
No. 15379 **\$1.25 pack**

Velour Protector Pads



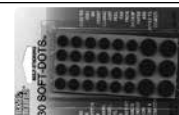
Protects surfaces. Prevents clocks from sliding. Adhesive-backed. 56 assorted.
No. 14371 **\$1.25 pack**

Felt Padding



Dark green, self-adhesive. 1/16" x 12" square. Easily cuts. Great for clocks, lamps, vases, etc.
No. 29852 **\$4.00 each**

Soft Dots-Rubber



30 pieces. 5/16" and 1/2" self-adhesive dots.
No. 16612 **\$1.75 pack**

Rubber Bumper



Black. 5/8" diameter x 3/8" tall. Nail included.
No. 20096 **75¢ each**
\$2.40/4 (60¢)

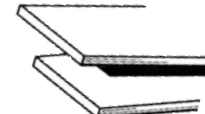
Other: Rod, Sheet, Tube & Wire

Brass Sheet



C-360 full hard sheet. 6" x 12" x .064" thick.
No. 18901 **\$33.00 each**

Brass Sheets



C-260 half-hard 6" x 6" sheets. Comes slightly curled. Cut from rolls.

No. 19400 .....	.001"	\$1.25 each
No. 19401 .....	.002"	\$1.30 each
No. 19402 .....	.003"	\$1.35 each
No. 19403 .....	.004"	\$1.40 each
No. 19404 .....	.005"	\$1.45 each
No. 19405 .....	.006"	\$1.50 each
No. 19406 .....	.007"	\$1.75 each
No. 19407 .....	.008"	\$2.00 each
No. 19408 .....	.010"	\$2.25 each
No. 19409 .....	.012"	\$2.50 each
No. 19410 .....	.015"	\$2.75 each
No. 19411 .....	.020"	\$3.25 each
No. 19412 .....	.025"	\$4.00 each
No. 19413 .....	.031"	\$4.50 each

Brass Sheet Assortments

7 assorted sheets in a package.
No. 19414 From .001"- .007" **\$8.00 pack**
No. 19415 From .008"- .031" **\$17.50 pack**

Drill Blanks



High speed ground steel. Use to make pinions, arbors, gages, pins, punches, or other special tools. Tolerance on all sizes: +.0000"-.0005". Hardened to Rockwell 63-65.

Part #	Drill #	Diameter	Length	Price
No. 30551	1	.228"	3-7/8"	\$3.00
No. 30552	2	.221"	3-7/8"	\$3.00
No. 30553	3	.213"	3-3/4"	\$2.75
No. 30554	4	.209"	3-3/4"	\$2.75
No. 30555	5	.2055"	3-3/4"	\$2.75
No. 30556	6	.204"	3-3/4"	\$2.75
No. 30557	7	.201"	3-5/8"	\$2.50
No. 30558	8	.199"	3-5/8"	\$2.50
No. 30559	9	.196"	3-5/8"	\$2.25
No. 30560	10	.1935"	3-5/8"	\$2.25
No. 30561	11	.191"	3-1/2"	\$2.00
No. 30562	12	.189"	3-1/2"	\$2.00
No. 30563	13	.185"	3-1/2"	\$2.00
No. 30564	14	.182"	3-3/8"	\$2.00
No. 30565	15	.180"	3-3/8"	\$2.00
No. 30566	16	.177"	3-3/8"	\$2.00
No. 30567	17	.173"	3-3/8"	\$2.00
No. 30568	18	.1695"	3-1/4"	\$1.75
No. 30569	19	.166"	3-1/4"	\$1.75
No. 30570	20	.161"	3-1/4"	\$1.75
No. 30571	21	.159"	3-1/4"	\$1.75
No. 30572	22	.157"	3-1/8"	\$1.50
No. 30573	23	.154"	3-1/8"	\$1.50
No. 30574	24	.152"	3-1/8"	\$1.50
No. 30575	25	.1495"	3"	\$1.25
No. 30576	26	.147"	3"	\$1.25
No. 30577	27	.144"	3"	\$1.25
No. 30578	28	.1405"	2-7/8"	\$1.25
No. 30579	29	.136"	2-7/8"	\$1.25
No. 30580	30	.128"	2-3/4"	\$1.25
No. 30581	31	.120"	2-3/4"	\$1.25
No. 30582	32	.116"	2-3/4"	\$1.25
No. 30583	33	.113"	2-5/8"	\$1.25
No. 30584	34	.111"	2-5/8"	\$1.25
No. 30585	35	.110"	2-5/8"	\$1.25
No. 30586	36	.1065"	2-1/2"	\$1.25
No. 30587	37	.104"	2-1/2"	\$1.25
No. 30588	38	.1015"	2-1/2"	\$1.25
No. 30589	39	.0995"	2-3/8"	\$1.25
No. 30940	40	.098"	2-3/8"	\$1.25

Brass Rod



11" lengths.

No. 17655	.020" Dia.	50¢ each
No. 17656	.031" Dia.	75¢ each
No. 17657	.047" Dia.	\$1.00 each
No. 17658	.063" Dia.	\$1.25 each
No. 17659	.094" Dia.	\$1.50 each
No. 17660	.125" Dia.	\$1.75 each
No. 17661	.156" Dia.	\$2.25 each
No. 17662	.188" Dia.	\$2.75 each
No. 18283	1/4" Dia.	\$5.50 each
No. 29185	5/16" Dia.	\$7.50 each
No. 18284	3/8" Dia.	\$9.50 each

Brass Rod 8-Piece Assortment

1 piece each of No. 17655 thru No. 17662 (.020" thru .188").

No. 32471 \$10.00 pack

Wire Assortment-Brass



23 assorted wires .025" to .156". 6" long.

No. 15867 \$5.50 pack

Brass Tubing



11" lengths. .014" wall thickness.

No. 17648	1/16" Dia.	\$1.25 each
No. 17649	3/32" Dia.	\$1.50 each
No. 17650	1/8" Dia.	\$1.75 each
No. 17651	5/32" Dia.	\$2.00 each
No. 17652	3/16" Dia.	\$2.25 each
No. 17653	7/32" Dia.	\$2.50 each
No. 17654	1/4" Dia.	\$2.75 each

Brass Tubing-7 Piece Assortment

1 each of above sizes.

No. 32482 \$12.00 pack

Brass Rod Assortment



10 pieces. Ideal for bushings blanks and other applications. Size ranges from 0.5mm to 10mm (.020" to .394"). 11" long. India.

No. 23886 \$20.00 pack

Wire-Brass Spring



24 pieces. 7" long x .055" diameter.

No. 10633 \$9.50 pack

Brass Bushing Tube Assortment



8 pieces. Ideal for bushings. O.D.'s from 3mm to 11mm (.118" to .433"). I.D.'s from 2mm to 7.8mm (.079" to .307"). 3-1/8" long. India.

No. 23885 \$10.50 pack

Brass Spring Wire Assortment



12 coil set includes one coil each of B and S gauge sizes 18 to 29. Ideal for making springs and other clock and watch parts. India.

No. 23908 \$8.50 pack

Soft Brass Wire



For good workability. 1 oz. spool.

No. 29531	..... #20 (.032")	\$8.00 spool
No. 29532	..... #22 (.025")	\$8.50 spool
No. 29533	..... #24 (.020")	\$8.00 spool
No. 32893	..... #26 (.016")	\$8.50 spool
No. 32894	..... #28 (.013")	\$8.50 spool

Wire-Brass Spring



1 oz. spools in B and S sizes.

	.81mm .032" Dia.	
No. 32890	..... #20	\$7.50 spool
	.64mm .025" Dia.	
No. 10570	..... #22	\$6.75 spool
	.51mm .020" Dia.	
No. 10571	..... #24	\$7.00 spool
	.42mm .016" Dia.	
No. 10572	..... #26	\$7.25 spool
	.33mm .013" Dia.	
No. 10573	..... #28	\$7.50 spool

Wire-Music



Use for springs, lantern pinions, pivots. 11".

No. 18276	..... 1/32" Dia.	55¢ each
No. 18277	..... 1/16" Dia.	65¢ each
No. 18278	..... 3/32" Dia.	75¢ each
No. 18279	..... 1/8" Dia.	\$1.50 each
No. 18280	..... 5/32" Dia.	\$1.75 each
No. 18281	..... 3/16" Dia.	\$2.25 each

6 Piece Music Wire Assortment

1 piece each of 6 sizes listed above.

No. 32486 \$5.50 pack

Wire-Steel



10 meter (32.8 feet) roll. Many uses. China.

No. 30480 0.45mm (.017") \$1.75 roll

Wire Assortment-Floating Balance

25 assorted stainless steel wires. From .008" through .025" diameters 5" long.


No. 11220 \$6.50 pack
149

Other: Rod, Sheet, Tube & Wire

Brass Wire Assortment


37-piece assortment of brass wire 6" long. .025" (0.6mm) to .156" (4mm) diameters. India
No. 23800 **\$8.00 pack**


Blued Steel Wire Assortment


37-piece assortment of blued steel. 4.5" long. .025" (0.6mm) to .156" (4mm) diameters. India.
No. 23801 **\$5.00 pack**


Ground Steel Rod


17-piece assortment. Carburized rod ranges in size .025" to .150". India.
No. 17724 **\$10.50 pack**

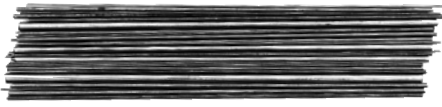
Wire Assortment-Tempered Steel


4-1/4" lengths of blue tempered steel wire. 30-piece packs. India.
No. 33688 0.30mm 0.95mm **\$7.00 pack**
No. 10430 0.55mm 1.95mm **\$7.50 pack**
No. 33689 2.00mm 2.95mm **\$12.50 pack**
No. 33691 3.00mm 3.95mm **\$8.50 pack**
No. 33692 4.00mm 4.95mm **\$16.00 pack**
No. 33693 5.00mm 5.95mm **\$10.00 pack**


Wire Assortment-German Silver


33-piece assortment. 13 sizes from 0.70mm through 3.50mm x 6" long. India
No. 33686 **\$5.50 pack**


Wire Assortment-Staff & Pivot


37 assorted 6" pieces of hardened staff and pivot wire in a pack. From 0.027" (0.69mm) through 0.152" (3.88mm). India
No. 18758 **\$7.50 pack**

Cold Rolled Type C1018 Steel Rod


Low carbon steel. Good machining characteristics. Weld, braze or solder. Great for small parts. Outside diameter x length listed.
No. 29346 1/8" x 12" **\$1.75 each**
No. 29347 3/16" x 12" **\$2.00 each**
No. 29348 1/4" x 12" **\$2.25 each**
No. 29349 5/16" x 12" **\$3.50 each**
No. 29351 1/2" x 12" **\$5.00 each**
No. 29352 5/8" x 12" **\$6.50 each**
No. 29353 3/4" x 12" **\$11.50 each**
150

Pinion Wire


Hardened pivot wire for pivots and lantern pinions. 12 6" lengths in a pack.

No. 32371 .....	.020" Dia.
No. 32372 .....	.022" Dia.
No. 32373 .....	.024" Dia.
No. 32374 .....	.026" Dia.
No. 20288 .....	.029" Dia.
No. 32389 .....	.031" Dia.
No. 20291 .....	.033" Dia.
No. 20293 .....	.035" Dia.
No. 32375 .....	.037" Dia.
No. 20295 .....	.039" Dia.
No. 20297 .....	.041" Dia.
No. 20299 .....	.043" Dia.
No. 20301 .....	.045" Dia.
No. 32376 .....	.047" Dia.
No. 32377 .....	.049" Dia.
No. 32378 .....	.051" Dia.
No. 32379 .....	.055" Dia.
No. 32380 .....	.059" Dia.
No. 32390 .....	.063" Dia.

\$3.25 pack \$9.00/3 (\$3.00)


Assortment of 10 small sizes (1 each):

No. 20302020" To .039" **\$3.50 pack**

Assortment of 9 large sizes (1 each):

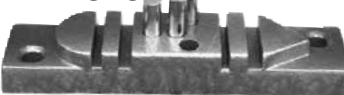
No. 20303041" To .063" **\$3.25 pack**

Ground Tool Steel Rod



A-2 drill rod. Air-hardening ground and polished. Replaces 0-1. Safer heat treating, less distortion during hardening and greater wear resistance. Machineability equal to or better than 0-1. Medium carbon, medium chrome content. For shafts, punches, tools, etc. +/-0.0005" tolerance on OD. 59/62 Rockwell hardness. 1725-1775°F hardening temperature. Air quench. Temper at 350-500°F. Referred to as Silver Steel in England. Diameter and length shown.

No. 29354	1/16" x 6"	\$1.75 each
No. 29355	3/32" x 6"	\$2.00 each
No. 29356	1/8" x 6"	\$2.50 each
No. 29358	3/16" x 6"	\$3.50 each
No. 29359	7/32" x 6"	\$4.00 each
No. 29360	1/4" x 6"	\$4.50 each
No. 29361	5/16" x 6"	\$5.00 each


Wire Bending Jig


Bends and forms wire and metal strips. Use in a vise or attach to the bench. India.
No. 17746 **\$6.00 each**


Wire Bender


5-1/2" long. Slot is 1/8" deep x 1/16" wide. Helpful when putting a clock in beat. India.
No. 13830 **\$3.50 each**

Wire Rounding Tool


Deburs wire ends and tapered pins after cutting. The 1.8mm cup end does the job with a couple of twists of the hardwood handle. India.
No. 29030 **\$7.00 each**

Lantern Pinion Cutter



Heavy duty. Cuts hard pinion wire from .65 to 1.65mm (.025-.065") diameter. Adjustable stop for cutting consistently. Can be mounted to the bench. India.
No. 22923 **\$42.50 each**

Other: Shop Supplies

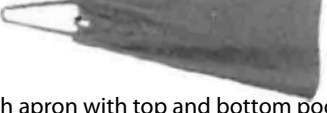
Hobby Knife Set


16-piece assortment includes a variety of blades for craft work and 3 different sized handles. In a plastic case. China.
No. 29251 **\$4.00 set**


Knife & Scissor Sharpener


Carbide blades form a V-shape in sharpening head. 1-3/4" x 4-1/2" plastic case. China.
No. 32006 **\$2.50 each**

Shop Apron


Knee length apron with top and bottom pockets. Holds tools and small supplies. Ties around the waist. Washable denim.
No. 14398 **\$9.50 each**

Latex Finger Cots


Soft, thin latex maintains a sensitive touch. One size fits all. 12-pack. India.
No. 14956 **\$2.00 pack**

Gloves


Disposable Latex
Protects hands when polishing, finishing or using chemicals. Fits either hand. 100-pack.
No. 15772 **\$10.50 pack**


Nitrile Gloves

Soft, flexible, 4 mils thick. Disposable and reversible to fit either hand. Perfect for preventing fingerprints during movement assembly.
No. 29769 Large 100/box **\$11.00 box**

Protective Cotton Gloves

Prevent stains and fingerprints on jewelry and movements. Wear on either hand. Medium weight, large size. 12-pack.
No. 29038 **\$9.50 pack**
Heavy weight, large size. 12 pack.
No. 14918 **\$9.50 pack**

Pencil


Carpenter's pencil measures 7" long.
No. 29639 **50¢ Each**

Other: Silvering

Dial Silvering Powder

Timesavers Exclusive!

**Price Subject
To Change Based
On Silver Price**



2 part kit guarantees professional results. Kit includes 2-3 oz. jars and instructions. Non-flammable, non-poisonous.

No. 19551 \$56.50 kit

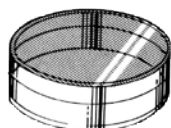
Other: Storage Bags, Bins & Boxes

Plastic Storage Box



1-3/4" x 1-3/8" x 1/2" deep. Transparent top.
No. 15864 50¢ each

Plastic Storage Boxes-Round



Stackable.
No. 19920 ... 2-3/4" Dia. 4 Boxes 4 Lids \$3.00 pack

Plastic Storage Box-Partitioned



3" diameter 3/4" deep with fitted cover and five partitions. India.
No. 20513 \$2.00 each

Storage Box



Flip-up lids for easy access. 8 compartments. 3" long x 3-3/16" wide x 13/16" deep. Taiwan.
No. 29459 \$1.50 each

Storage Box



Folding plastic. 8 compartments on one side and 5 on the other. Lids open on both sides. 6-1/2" x 3-3/4" x 1-3/4" depth. Taiwan.
No. 29458 \$4.00 each

Plastic Storage Box



With 12 aluminum containers 1-1/4" diameter with clear tops. India.
No. 23613 \$8.00 each

See Through Wood Container



5-3/4" x 4-3/8" x 1" deep with a see-through sliding top. 12 sections. India.
No. 23817 \$8.50 each

Wood Boxes With Aluminum Containers



Wood storage boxes with round aluminum containers with glass tops. India.
7/8" Dia. x 5/8" Deep
No. 15486 . 24 Containers \$13.00 each
No. 15485 .. 36 Containers \$18.00 each
1-3/4" Dia. x 13/16" Deep
No. 15488 .. 18 Containers \$22.00 each

Self-Locking Plastic Bags



Reusable, dustproof, waterproof.
No. 29233 1" x 1" \$1.25 per 100
\$5.50/ 500 (\$1.10) \$10.00/ 1000 (\$1.00)

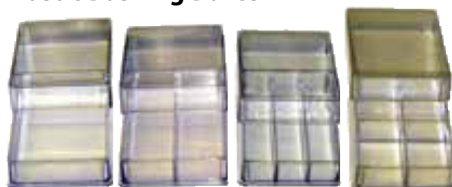
No. 14350 2" x 2" \$2.00 per 100
\$9.25/ 500 (\$1.85) \$17.50/ 1000 (\$1.75)

No. 14351 2" x 3" \$2.25 per 100
\$10.50/ 500 (\$2.10) \$20.00/ 1000 (\$2.00)

No. 14352 3" x 4" \$2.50 per 100
\$11.75/ 500 (\$2.35) \$22.50/ 1000 (\$2.25)

No. 14353 4" x 6" \$3.50 per 100
\$16.75/ 500 (\$3.35) \$32.50/ 1000 (\$3.25)

Plastic Bushing Boxes



Clear. 2-5/16" x 1-15/16" x 9/16" deep. Perfect for small parts or make up your own bushing assortments. Secure slip on cover.

No. 29005 1 Compartment \$1.25
No. 29006 2 Compartments \$1.30
No. 29007 3 Compartments \$1.35
No. 29008 4 Compartments \$1.40
No. 23809 8 Compartments \$1.50
No. 23810 10 Compartments \$1.75
No. 23887 12 Compartments \$2.00

Lacquered Wood Box-Closeout



8-1/2" x 6-1/2" x 1". Tongue and groove corners. Metal hinges and clasp. Elastic band inside lid. Note there is advertising on the box and a foam insert. Great for storage. **Was \$6.00.**
No. 32083 \$3.00 each

Small Parts Storage Boxes-Closeouts

Warehouse find. Different sizes/styles as described. Some of the plastic may be cloudy or have light scratching. #00846 may come with easily removable labels.



No. 00844 Clear plastic (cloudy/scratches) 1-5/8" D x 1/2" T.
Was 60¢ each Now 20¢



No. 00846 Clear plastic 1-5/8" L x 3/4" W x 5/8" D
Was 60¢ each Now 20¢



No. 00847 Black bottom/clear top 2-7/8" L x 2" W x 1/4" D
Was 75¢ each Now 25¢



No. 00850 Hinged clear 2-1/16" x 1-5/8" x 5/16" D
Was 75¢ each Now 25¢



No. 00851 12 Compartment clear plastic 2-5/8" L x 2" W x 3/8" D
Was \$2.00 each Now 75¢

Other: Watches & Related

Hunting Case-Pocket Watch



1-3/4" diameter hunting case. Precision quartz. Runs on a watch battery, included. Assorted Designs/Colors (sorry, no choice). China.
No. 17801 \$11.00 each 151

Other: Watches & Related

Pendant Watches



No. 32171

No. 32172

Quartz accuracy. 30-1/2" long chain with a 15-1/4" drop. Button cell battery included. China.

No. 32171 Antique Bronze Owl 1-3/16"W x 1-3/8" L

No. 32172 Antique Brass Lady Bug 1"W x 1-1/4" L
\$9.50 each \$27.25/ 3 (\$9.25)

Pocket Watch Chain



14-1/2" long gold tone chain.

No. 19815 \$5.00 each

Leather Watch Fobs



Watches
Not
Included

No. 22814 7-3/4" Brown \$2.00 each

No. 22813 9-3/4" Black \$3.00 each

Leather Watch Pouch

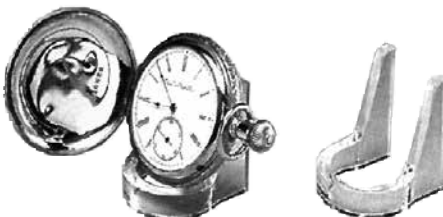


Suede leather with draw strings

No. 15673 4" x 3" \$2.50 each
\$27.00/ 12 (\$2.25)

Other: Watch Displays

Plastic Watch Display Stand



Displays pocket watches, either open or hunting case. 1-3/8" diameter x 1-5/8" tall.

No. 11737 \$2.00 each
152

Watch Dome- Glass

Watch
Not
Included



Glass dome with hardwood base and removable brass hook. Felt pad prevents sliding and protects furniture. 3" diameter x 4-1/2" tall.

No. 32144 Oak Base \$10.00 each

No. 14008 Walnut Base \$10.00 each

\$29.25/ 3 (\$9.75) \$114.00/ 12 (\$9.50)

Watch Dome- Plastic

Watch
Not
Included



Economical crystal clear acrylic dome with a brass hook on a black acrylic base.

No. 17456 3-1/2" Dia. x 4-3/4" T \$13.00

No. 20008 4" Dia. x 5-1/2" T \$14.50

Pocket Watch Display Stands-Brass



No. 14344



No. 14345

2-1/2" Sq. Base x 3-3/4" Tall 2-1/2" Sq. Base x 4-1/4" Tall

No. 14344 Open Face

No. 14345 Hunting Case

\$20.50 each \$60.00/ 3 (\$20.00)

Other: Watch Parts

Balance Staff Assortment-Pocket Watch



NEW

50-piece pack of assorted sizes. India.

No. 34042 \$9.50 pack

Balance Staffs-Wrist Watch



100 piece assortment. India.

No. 32256 \$2.50 pack

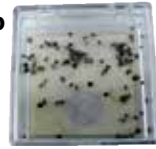
Battery Clamp Assortment



10 piece assortment of hold down clamps for watch batteries. India.

No. 24643 \$4.50 pack

Battery Clasp Screws-100 Piece Assortment



No. 32111 \$3.50 pack

Bows



12 piece chrome assortment for pocket watches. Sizes 12mm to 20mm. India.

No. 31025 Chrome \$5.00 pack

No. 32058 Gold \$7.50 pack

Bows-Closeout

Oval

Round

Replacement nicked bows for pocket and pendant watches. Was \$8.00 pack.

No. 00849 10mm Oval \$3.00 pack

No. 00853 10mm Round \$3.00 pack

No. 00854 12mm Round \$3.00 pack

Case Pipes



100 piece pack 70-90-120 tap sizes. India.

No. 31019 \$3.50 pack

Center Wheel Jewel Assortment



100 piece pack for mechanical watches. India.

No. 30986 \$3.75 pack

Crowns



100 piece 26/90 assortments. Short, medium and long pipes. India.

No. 31015 Yellow Finish \$3.75 pack

No. 31016 Chrome Finish \$3.75 pack

Long pipes. India.

No. 33687 Chrome Finish \$6.00 pack

No. 33702 Yellow Finish \$6.00 pack

Crowns



100 piece assortment of yellow and white for Swiss and Japanese watches. India.

No. 32789 \$11.50 pack

Clear Protective Glass Covering



Protective 59mm (approximately 2-5/16") diameter vinyl for large watch and small clock lenses. 10 pieces in a pack. India.

No. 32967 With pull tab \$1.00 pack

No. 32968 No pull tab \$1.00 pack

Watch Hands



100 piece yellow finish hand assortments. India.

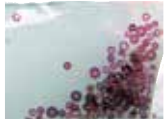
No. 31022 Hour & Minute Hands \$6.00

No. 31023 2nd Hands \$6.00

No. 31024 2nd Hands (Seiko, VX, FE, Ronda) \$4.50

Other: Watch Parts

Hole Jewel Assortment



100 piece pack for mechanical watches. India.
No. 30987 **\$2.00 pack**

Incabloc Springs



Used in many Swiss and German watches to hold jewels. 25 assorted pieces. India.
No. 32901 **\$5.00 pack**

Keyless Stems



100 piece assortments for all Swiss and Japanese caliber quartz watches. India.
No. 31009 **\$9.00 pack**

By caliber for all Swiss, Japanese and Russian mechanical watches. India.

No. 31010 **\$8.00 pack**

100 piece pack for mechanical watches. India.
No. 32436 **\$6.00 pack**

Metal Movement Ring Assortment



50 pieces in brass and chromed for mechanical and automatic watches. 3/4" to 1-1/4" approximate diameter range. India.

No. 32803 **\$8.00 pack**

Movement Rings-Plastic



100 assorted sizes and styles for watches. India.

No. 31014 **\$7.50 pack**

"O" Rings-(Gaskets)



Rubber gaskets for most watches. 14mm to 30mm. India.

No. 31017 Flat 72 pieces **\$3.00 pack**

No. 31018 Round 100 pieces **\$3.00 pack**

100 pieces 32mm to 50mm diameters. India.

No. 32788 Flat **\$5.00 pack**

No. 32056 Round **\$5.00 pack**

50-Piece Assortment-Closeout



Swiss. Various sizes. **Was \$8.00 pack.**
No. 00858 Flat Gasket **\$3.00 pack**

Pallets For Mechanical Watches



25 piece assortment of popular sizes. India.
No. 32840 **\$13.50 pack**

Pallet Jewel Assortment



100 piece pack for mechanical watches. India.
No. 30985 **\$2.00 pack**

Ruby Jewels



NEW

100-piece pack of assorted ruby pins for watch rollers. India.
No. 34041 **\$2.00 pack**

Watch Pendant Tubes 144-Piece Assortment-Closeout



Provides the sealing surface for the crown gasket in waterproof cases. 12 different sizes (13 to 24). Partitioned box. 2.0mm heads. Swiss. **Was \$27.50.**

No. 00413 **\$9.50 pack**

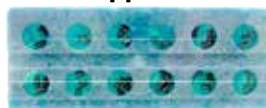
Watch Pendant Tubes 144-Piece Assortment



Provides the sealing surface for the crown gasket in waterproof cases. 12 different sizes (1 to 12). Partitioned box. 2.5mm heads. Swiss. **Was \$27.50. While supplies last.**

No. 01797 **\$9.50 pack**

36-Piece Assortment Stepped Pendant Tube-Closeout



Provides sealing surface for the crown gasket in waterproof cases. Stainless steel. 2.5mm head. 1.9mm to 2.2mm diameters. 12 different sizes. Swiss. **Was \$16.00.**

No. 33403 **\$5.00 pack**

Second Hand Assortment



25-piece pack for mechanical watches. India.
No. 30988 **\$4.00 pack**

Spring Bars



100 assorted stainless. 8 to 19mm. India.
No. 15880 **\$5.00 pack**

100-piece assortment 1.8mm thick stainless steel. Lengths from 31mm to 35mm. India.

No. 32327 **\$4.50 pack**

100-pieces in a size range of 21mm to 32mm. Partitioned plastic box. India.

No. 32437 **\$5.50 pack**



Lug style spring bars with yellow screw-on tips from 8.0mm to 19mm. 100-piece assortment in plastic box. India.

No. 32188 **\$5.00 pack**

Spring Bar & Watch Strap Size Selector



NEW

Handy for the jeweler or watchmaker. 4-3/4" x 1" white plastic. For sizes 6mm to 34mm. India
No. 33973 **\$3.50 each**

Pocket Watch Ratchet Wheel Screw-Closeout



Slotted #52 screws come in a 100 pack. Swiss made. **Was \$32.50.**
No. 33360 **\$10.00 pack**

Convex Brass Foil Washers-Closeout



100-piece pack. For dial trains of wrist and pocket watches. 6.0mm OD x 3.2mm ID x 2.5mm thick. Swiss made. **Was \$7.50. While supplies last.**

No. 01796 **\$2.00 pack**

Dial Washer 100-Piece Assortment-Closeout



Convex round hole brass. Used on watches and small alarm clocks. 7.0mm OD x 3.0mm ID x 2.5mm thick. Swiss. **Was \$7.50.**

No. 33574 **\$2.00 pack**

Watch Timing Washer Assortment-Closeout



Esser brand. 144 copper and nickeled washers for Swiss and American watches. Ratings; 1, 2, 3, minutes per 24 hours. Swiss lignes: 3.75 - 10.50. **Was \$25.00.**

No. 33577 **\$5.00 each**

Wire Springs



100 piece assortments. India.
No. 31020 Flat Wire **\$1.00 pack**
No. 31021 Round Wire **\$1.00 pack**
No. 31021 Round Wire **\$1.00 pack**

Other: Gift Certificate

Timesavers Gift Certificate



Perfect gift for the repairman, hobbyist or collector! Available in any denomination. Please enter the amount desired in the Special Instructions area of your order.

No. 77777

Join The National Association of Watch and Clock Collectors

The **NAWCC** exists to advance the art and science of horology (timekeeping). The **NAWCC** actively serves the public and supports its members by providing educational opportunities, encouraging preservation, facilitating research, publishing horological works, providing online venues for information exchange and sponsoring events. The National Watch and Clock Museum and the **NAWCC** Library preserve a diverse collection of timekeeping artifacts, books, and archival materials. U.S. and International **NAWCC** Chapters also host educational events and exhibits related to horology.

NAWCC
514 Poplar Street
Columbia, PA 17512
717-684-8261
www.nawcc.org

Join The British Horological Institute

The Institute is proud of its **Horological Journal**, which is the oldest technical journal in the world and has been published without a break since September 1858. A copy of **HJ** is sent to every member each month, and contains a wealth of news and information of interest to horology enthusiasts. We try to maintain a good balance of articles in each issue, covering clocks, watches, turret clocks and electric timepieces in articles that may be theoretical, practical or both. All initially join the institute as Associates, a non-qualified grade. Associates are encouraged whenever possible to seek transfer to one of the qualified grades, which entitles them to use the designatory letters Grad **BHI**, **MBHI** or **FBHI** after their name.

British Horological Institute
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clocks@bhi.co.uk

Join The Antiquarian Horological Society

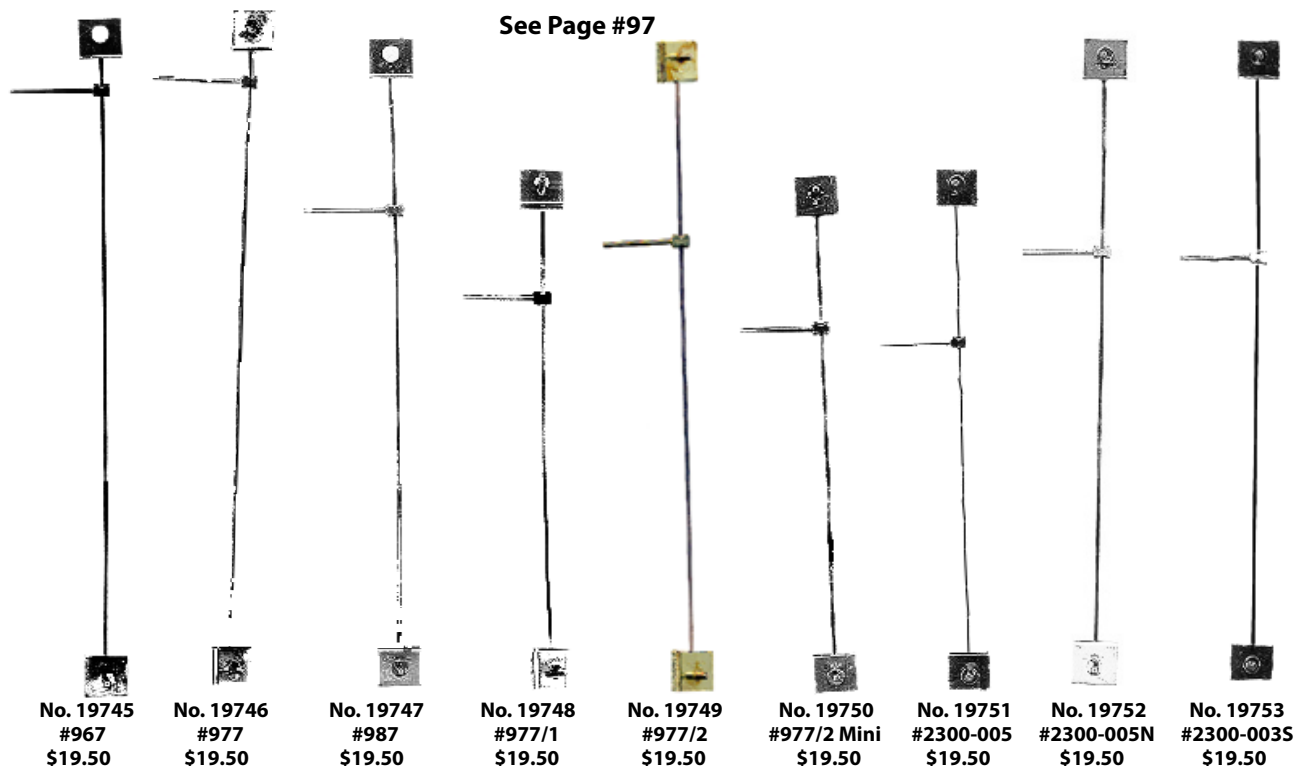
The **Antiquarian Horological Society (AHS)** is a learned society formed in 1953. It exists to promote the study of clocks and watches and the history of time measurement in all its forms. In order to achieve its aims the **AHS** holds meetings and publishes a quarterly journal **Antiquarian Horology** and various books.

The Journal: Antiquarian Horology is sent quarterly to all members. Printed to the highest standards with many colour pages, each issue contains a variety of articles, the **AHS** programme, news, letters and high-quality advertising both trade and private. A complete collection of the journals is an invaluable store of horological information, the articles covering diverse subjects including many makers from the famous to obscure.

The Antiquarian Horological Society
New House High Street, Ticehurst
Sussex, TN5 7AL, ENGLAND
Telephone: +44 1580 200155
secretary@ahsoc.co.uk

Hermle Quartz Suspension Units

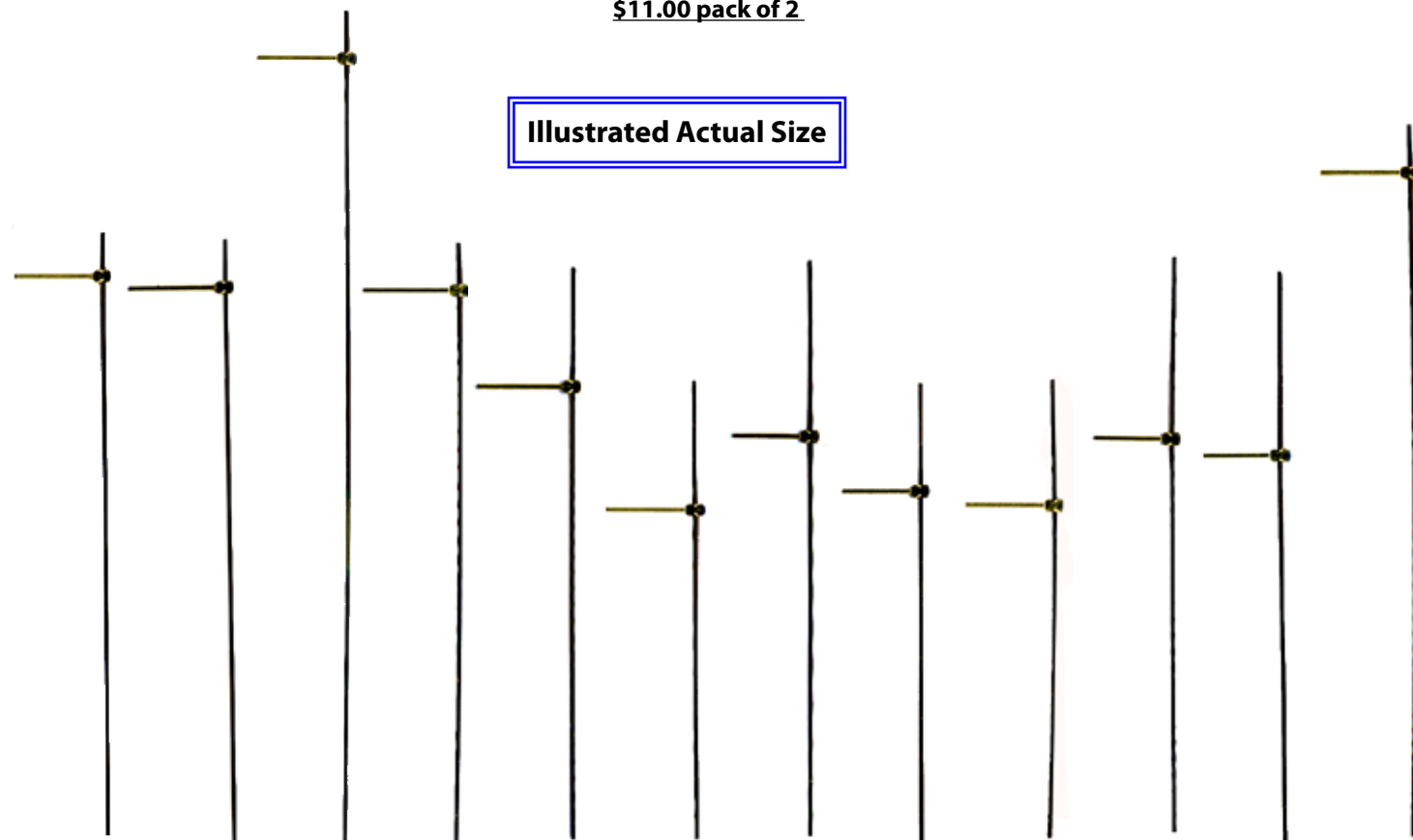
See Page #97



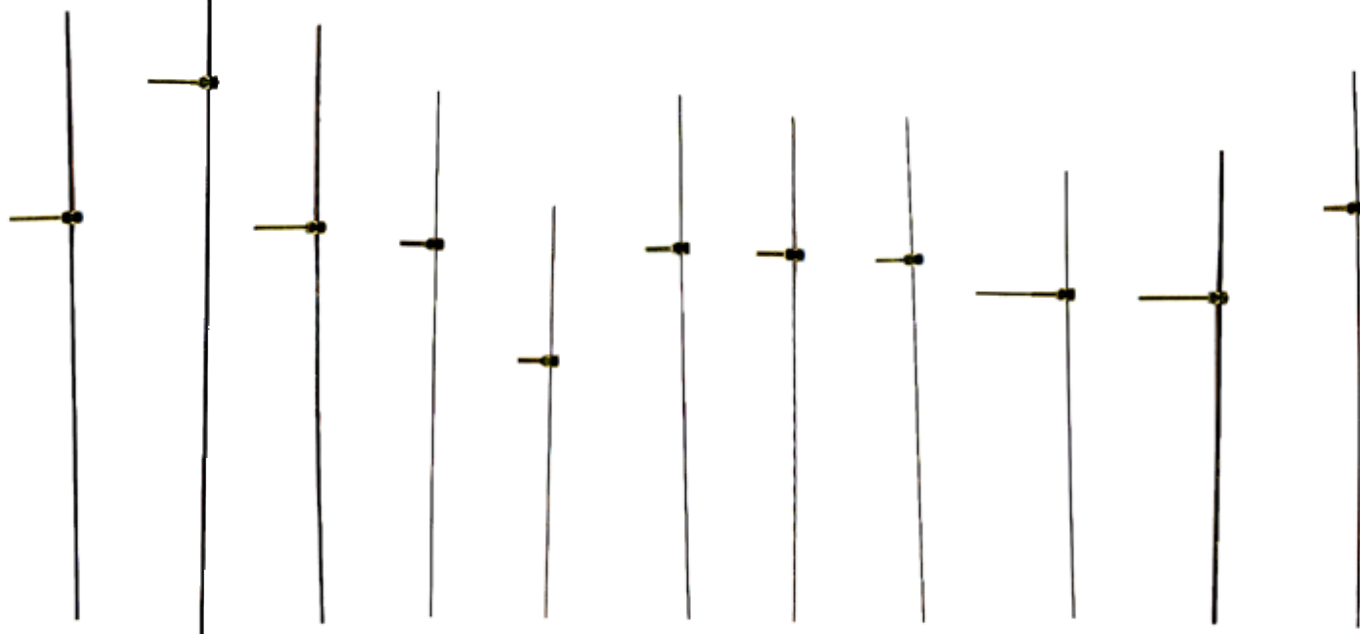
Quartz Suspension Wires With Forks (OEM) Pre-assembled bronze wire with fixed-position fork (no top nor bottom block). These are used in many popular German 400-day quartz clocks. Packaged 2 replacement assemblies per pack. Produced by the original manufacturer of the complete suspension units. See **page #97**.

\$11.00 pack of 2

Illustrated Actual Size



No. 29860 21-229 Hermle	No. 29861 21-229B Hermle	No. 29862 21-134 Hermle	No. 29863 21-237 Hermle	No. 29864 21-250 Hermle	No. 29865 21-251 Hermle	No. 29866 21-269 Hermle	No. 29867 21-270 18,7 Hermle	No. 29868 21-270 20,6 Hermle	No. 29869 21-283 0,35 Hermle	No. 29870 21-283 0,50 Hermle	No. 29871 53B Haller- Jauch
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No. 29872 QP 10 Kern	No. 29873 QS 10 Kern	No. 29874 QM 10 Kern	No. 29875 820320 Blessing	No. 29876 820114 Blessing	No. 29877 820024 Blessing	No. 29878 301053 Schrenk	No. 29879 301181 Schrenk	No. 29880 314/79 Koma	No. 29881 HU 1119-13 Schmeckenbecker	No. 29882 400610 Hechinger
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Last Minute Arrivals & Closeouts

Miniature Beehive Night Light Glass Shade



Reproduction shade fits Gran Vals Time Lamp, Weaver Time Lamp, Little Beauty Night Lamp, Comet Night Lamp and others. .190" overall height x .180" diameter at widest point. Small end opening measures .1165" OD x .090" ID. Large end opening measures .1255" OD x .1085" ID and slightly thicker than originals. While supplies last.

No. 01545 Blue **\$7.50 each**
No. 01546 Green **\$7.50 each**
No. 01547 Red **\$7.50 each**
No. 01548 White **\$7.50 each**

German Made Brass Keys



While supplies last. **Was \$3.00-\$4.00.**

No. 00378 #000 1.75mm **\$1.00 each**
No. 00521 #1 2.50mm **\$1.00 each**
No. 00538 #10 4.40mm **\$1.50 each**

Made in India

No. 00522 #1 2.60mm **\$1.00 each**

German Made Nickeled Key



While supplies last. **Was \$4.50.**

No. 00524 #4 3.25mm **\$1.50 each**
No. 00525 #11 5.00mm **\$1.50 each**

German Made Brass Double End Key



While supplies last. **Was \$5.00.**

No. 00528 #4/0000 3.2mm/1.8mm **\$1.50**
No. 00532 #13/00000 5.0mm/1.6mm **\$1.50**
No. 00534 #15/#0000 5.4mm/1.8mm **\$1.50**
Indian made. **Was \$2.25.**
No. 00539 #5/#000 3.4mm/2.0mm **\$1.00**

Music Movement Key



M3.5 x 1/4" nickeled T-bar style. Thread diameter x length under head. While supplies last. **Was \$1.00.**

No. 01235 **50¢ each**

Brushed Brass Quartz Pendulum



2-3/4" aluminum bob. 8-1/4" long single hook rod with adjustable rating. **Was \$4.00**

No. 00683 **\$2.00 each**
156

5-5/8" Barometer Bezel & Liner



Polished brass 5-5/8" diameter with 4 mounting holes in rim. 5" inside edge diameter. 3/8" height. Liner fits inside bezel increasing height to 5/8". **Was \$24.00.**

No. 00688 **\$8.00 each**

7" Barometer Bezel & Liner

Polished brass 7" diameter with 4 mounting holes in rim. 6" inside edge diameter. 3/8" height. Liner fits inside bezel increasing height to 5/8". **Was \$28.00.**

No. 00726 **\$9.00 each**

Mainspring in Bar Stainless Steel Universal Shears



Great quality, heavy duty, German made, spring opening, stainless steel shears. 7-3/4" long. **Was \$20.00. While supplies last.**

No. 33349 **\$7.00 each**

Cuckoo Clock Chain



Brass plated clock chain is 72" long, has 44 links per foot. Made of 1.10mm wire. **Was \$7.50.**

While supplies last.

No. 01301 **\$3.75 each**

Grandfather Movement Test Stand



Wood test stand is perfect for testing grandfather, grandmother and most movements on seatboards. 44-1/2 inches tall x 14-1/2 inches wide. Will accommodate pendulum drops up to 47 inches. All holes are predrilled and all hardware is included. Assembly required.

No. 23554 **\$90.00 each**

Fancy 45mm Roman Numeral Set



Fancy stamped aluminum 12-piece set. Gold surround with white face and black numerals. Approximately 1-3/4 overall height. China.

No. 32571 **\$9.00 set**

Longines 4LN-5.16 Watch Stems



Warehouse find. 3 pieces per pack. Swiss made. **Was \$12.00. While supplies last.**

No. 01758 **\$3.00 pack**

BFG 866 Watch Winding Stem



For watch movement. Swiss. 17.5mm long. **Was \$5.00. While supplies last.**

No. 00867 **\$3.00 pack**

Suspension Spring



18.3mm long x 5.0mm wide x 0.03mm spring thickness. 11.0mm hole to center hole length. **Was \$3.00.**

No. 00425 **\$1.00 each**

Suspension Spring



23.5mm long x 10.0mm wide x 0.04mm spring thickness. 14.5mm hole to hole length (no pin). **Was: \$3.00**

No. 00437 **\$1.00 each**

Suspension Spring & Leader Assembly



1-7/8" long brass tipped spring and blackened steel leader. 47.5mm long x 5.25mm (1-7/8" x 0.206") wide. 41.3mm (1-5/8") hole to pin. **Was \$15.00. While supplies last.**

No. 01672 **\$5.00 each**

All Purpose Work Tweezers



5" general purpose stainless tweezers. India. **Was \$3.00. While supplies last.**

No. 00718 **\$1.00 each**

Steel Chime Rod



24" X 3.80mm diameter (6.5mm fitting). **Was \$7.00. While supplies last.**

No. 01862 **\$4.50 each**

Steel Chime Rod



26" X 3.80mm diameter (6.5mm fitting). **Was \$7.00. While supplies last.**

No. 01863 **\$4.50 each**

Steel Chime Rod



26" X 3.80mm diameter (8.0mm fitting) **Was \$7.00. While supplies last.**

No. 01864 **\$4.50 each**

Original Factory Replacement Material At Closeout Prices

Bracelet Screw Assortment



100-piece assortment contains link screws in various lengths and styles. Either nicked or stainless steel. Warehouse find. **Was \$27.50.**

No. 01793 \$6.50 each

Mainspring & Barrel For Mauthe 42 Movement



Mainspring in barrel-no arbor. Hole end. 4.2mm wide x 0.25mm thick. Fitted in 28mm diameter nicked barrel. **Was \$20.00.**

No. 01756 \$8.00 each

Regulating Nut- Kundo



Used on Kundo Junior. Brass. 25mm base diameter x 15mm overall length. 6mm threaded shaft diameter with 4.2mm inside diameter. **Was \$8.00. While supplies last.**

No. 01880 \$4.00 each

Feet-Kundo



Nicked brass for square case clocks. 3mm OD x 21.6mm overall length. **Was \$7.50. While supplies last.**

No. 01881 \$3.00 each

Pendulum Hooks-Kundo



No. 01883



No. 01884

Brass. 11mm OD. with 3mm internal thread. Slotted and cross-drilled. **Was \$12.00. While supplies last.**

No. 01883 ... 17.5mm Long-Kundo Junior \$6.00

No. 01884 22.0mm Long-Kundo Standard \$6.00

Top Spire- Kundo



Used on Kundo Standard. 9mm OD x 18.2mm long brass. 2mm internal thread. **Was \$7.50. While supplies last.**

No. 01886 \$3.00 each

Pendulum Center Post-Kundo



Used on Kundo Standard. 77.25mm overall length. **Was \$32.00. While supplies last.**

No. 01887 \$16.00 each

Barrel Arbors-Kundo



No. 01890



No. 01891

Nicked steel arbors for Kundo. **Was \$8.00. While supplies last.**

No. 01890 Kundo Jr. 8mm Dia. x 37.5mm Long \$4.00

No. 01891 Kundo Std. 11mm Dia. x 45.75mm Long \$4.00

Verge Assemblies-Kundo



No. 01893



No. 01894

Used on Kundo. **Was \$17.50. While supplies last.**

No. 01892 Kundo Jr. Part #02-21 26mm Long \$8.50

No. 01893 Kundo Std. Part #01-21 33.5mm Long \$8.50

Movement Mounting Screw-Kundo



Used on Kundo Standard. Part #01-58. M1.2 x 7mm slotted fillister head stainless screw. **Was \$1.00. While supplies last.**

No. 01894 50¢ each

Click Springs-Kundo



No. 01879



No. 01888

Used on Kundo Standard 49 and Kundo Junior clocks.

No. 01879 Part #01-08 \$4.75 each

No. 01888 Part #01-08a \$4.75 each

First Wheels-Kundo



No. 01897



No. 11898

Used on Kundo Junior **Was \$12.00. While supplies last.**

No. 01897 13mm Dia. x 25.8mm Arbor #02-19 \$6.00

No. 01898 26mm Dia. x 25.8mm Arbor #02-15 \$6.00

First Wheel- Kundo



Used on Kundo Standard. **Was \$12.00. While supplies last.**

No. 01899 28.75mm Dia. x 33.6mm Arbor #01-15 \$6.00

Second Wheel- Kundo



Used on Kundo Standard. **Was \$12.00. While supplies last.**

No. 01901 26mm Dia. x 33.6mm Arbor #01-16 \$6.00

Third Wheel- Kundo



Used on Kundo Standard. **Was \$12.00. While supplies last.**

No. 01904 26mm Dia. x 33.6mm Arbor #01-17 \$6.00

Third Wheels- Kundo



Used on Kundo Junior **Was \$12.00. While supplies last.**

No. 01902 16.5mm Dia. x 26mm Arbor Old #02-17 \$6.00

No. 01903 16.5mm Dia. x 26mm Arbor New #02-17 \$6.00

Center Wheel- Kundo



Used on Kundo Junior **Was \$12.00. While supplies last.**

No. 01905 14.1mm Dia. x 45.5mm Arbor #01-18 \$6.00

Center Wheel- Kundo



Used on Kundo Standard. **Was \$12.00. While supplies last.**

No. 01906 22.1mm Dia. x 52.5mm Arbor #02-18 \$6.00

Ratchet Wheel- Kundo



Used on Kundo Junior Part #01-14. 2.5mm thick brass. 12 teeth. 14.5mm diameter. Ob-long mounting hole. **Was \$6.00. While supplies last.**

No. 01907 \$3.00 each

Hour Wheel- Kundo



Used on Kundo motion works. Brass. 16.5mm diameter x 10.8mm long. **Was \$8.00. While supplies last.**

No. 01910 \$4.00 each

Cannon Pinion- Kundo



Used on Kundo motion works. Brass. 16.15mm diameter x 16mm long. **Was \$8.00. While supplies last.**

No. 01911 \$4.00 each

Intermediate Wheels-Kundo



No. 01912



No. 01913

Used on Kundo motion works. 15.1mm diameter. **While supplies last.**

No. 01912 Brass Was \$6.00 Now \$3.00

No. 01913 Plastic Was \$1.00 Now 50¢

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items at reduced prices.**

Conversion Information

Metric Conversion Chart		
When You Know	Multiply By	To Find
	<u>Length</u>	
Millimeters	0.039	Inches
Inches	25.400	Millimeters
Centimeters	0.393	Inches
Inches	2.540	Centimeters
Meters	39.370	Inches
Inches	0.025	Meters
Meters	3.275	Feet
Feet	0.304	Meters
Meters	1.093	Yards
Yards	0.914	Meters
Kilometers	0.621	Miles
Miles	1.60	Kilometers
	<u>Volume</u>	
Milliliters	0.029	Fluid Ounces
Fluid Ounces	33.818	Milliliters
Liters	2.114	Pints
Pints	0.473	Liters
Liters	1.057	Quarts
Quarts	0.946	Liters
Liters	0.264	Gallons
Gallons	3.785	Liters
	<u>Weight</u>	
Grams	0.035	Ounces
Ounces	28.349	Grams
Kilograms	2.205	Pounds
Pounds	0.453	Kilograms

American Thread Sizes		
Explanation of sizes		
#0-80 x 3/16"		
Thread Shank Diameter	Threads Per Inch	Length Under Head As Shown On
#0 (.060")	80	Page 144
#1 (.073")	72	Page 144
#2 (.086")	56/64	Page 144
#3 (.099")	48	Page 144
#4 (.112")	40/48	Page 144
#5 (.125")	40	Page 144
#6 (.138")	32	Page 144
#8 (.164")	32	Page 144

Metric Thread Sizes	
Explanation of Sizes	
M3.0 x 10	
Diameter Of Shank	Length Under Head As Shown On
M1.0 (.03970")	Page 144
M1.2 (.04724")	Page 144
M1.4 (.05511")	Page 144
M1.6 (.06299")	Page 144
M2.0 (.07874")	Page 144
M2.5 (.09842")	Page 144
M3.0 (.11811")	Page 144
M4.0 (.15748")	Page 144

Hermle Movements Weight Usage					
Movement #	Movement Type	Time	Strike	Chime	
241	Chain	4.42	4.42	—	
241	Cable	7.95	7.95	—	
261	Chain	2.21	2.21	—	
351	Cable	6.07	—	—	
451	Chain	4.70	4.70	6.60	
451	With 2nd Hand or Lyre Pendulum	6.60	4.70	6.60	
461	Chain	5.70	5.70	7.70	
461	Cable	7.70	7.70	9.90	
471	Chain	7.70	7.70	9.90	
471	Cable	7.70	7.70	9.90	
781	Cable	7.96	—	—	
791	Chain	4.42	—	—	
1051	Cable	6.07	—	—	
1151	Chain Lyre Pendulum 165mm	4.70	4.70	7.30	
1151	2nd Hand And/Or Arbor Lyre 165mm	7.30	4.70	7.30	
1161	Chain	7.70	5.70	9.90	
1161	Cable	7.70	7.70	9.90	
1171	Chain	7.70	7.70	9.90	
1171	Cable	7.70	7.70	9.90	
1171	Cable Tubular	7.70	7.70	18.5	
2071-850	Cable Special	9.90	9.90	13.2	

S.T. #	Hermle #	S.T. #	Hermle #
205-000	140-010	403-008	451-053/85
	141-010/11		451-053/94
205-001	141-020/52		1151-053HS/94
205-003	141-020/21	403-009	1151-053HS/114
205-005	141-020/52	403-010	451-053/94
206-000	130-020	403-011	351-030/48
206-001	130-020	403-012	351-030/75
	131-070	403-013	1151-053/HS/94
206-002	130-020	403-014	451-050/85
	130-627		451-053/85
206-004	130-020	403-015	451-050/94, 114
	130-627		451-053/85, 94
206-005	140-010	403-018	351-020/34
206-007	130-627	403-019	351-020/43
206-010	131-030/35	403-020	1151-053HS/94
206-011	130-020	403-021	1151-050/94
206-012	131-030/21		1151-053/94
206-013	131-030/45	403-024	351-020/66
206-014	131-030/55	403-025	1051-020/43
207-000	132-071	403-027	351-020/43
207-005	132-071	403-029	451-053/94
208-000	141-031/32	403-030	451-053HS/94
	140-010	403-031	1151-053/94
208-001	140-010		451-053/94
	141-020/52	404-001	351-023K1/85
208-002	141-020/21	404-010	350-023
208-005	140/010	407-002A	1161-853BS/114
	141-020/52	409-000	241-030/55
208-006	141-020/32	415-001	1161-853HS/114
	141-023/45	415-002	1161-853/114
208-007	141-020/45	415-003	1161-853/94
	141-023/45	415-011	1161-853BS/114
208-008	141-031/32	415-013	1161-853/94
208-009	141-030/31	415-015	1161-853BS/94
208-010	141-033/38	415-016	1161-853HS/114
208-012	141-030/48	429-703	351-020/43
208-014	141-020/27	429-705	1051-020/43
208-015	141-030/38	450-006	132-071
215-012	131-030/21	450-007	131-030/35
305-002	1050-020	450-008	131-030/55
305-004	1050-020	450-009	340-020
400-000	350-020	450-011	350-060
	351-020/15	450-012	1050-020
400-001	350-060	468-310	350-023/K2
	351-060/15	468-314	141-020/52
	351-020/15	468-318	451-050/114
401-000	341-020/11		341-020K/35
401-001	350-020	468-323	132-071
401-002	351-060/15	468-325	132-071
401-003	340-020	468-328	132-071
401-004	340-020	497-212	340-020
401-005	340-020	497-218	1051-030/34
	140-010	497-220	1051-031/34
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402-003	351-060/85		Urgos #
402-004	351-020/15	406-000	UW32319
402-005	350-020	406-001	UW32319
402-006	350-060	406-007	UW32320
403-000	350-060		Kieninger #
403-001	350-060	451-002	KSU033/116
403-002	1050-020	451-003	KSU038/93
403-007	451-050/85	451-004	KSU033/116
		451-006	KSU/116
		460-001	RWS/80
		468-326	J1213

Urgos Movements Weight Usage					
Movement #	Movement Type	Drive	Time	Strike	Chime
UW 32	Westminster	Chain	4.50	4.50	6.600
UW 32	Triple Chime	Chain	4.50	4.50	7.500
UW 32	Triple Chime	Cable	6.50	6.50	11.00
UW 030	Triple Chime	Chain	7.75	7.75	8.500
UW 030	Westminster	Chain	7.75	7.75	9.500
UW 030	Triple Chime	Cable	7.75	7.75	8.500
UW 030	Westminster	Cable	7.75	7.75	9.500
UW 030	5 Tube	Chain	7.75	7.75	13.25
UW 030	5 Tube	Cable	7.75	7.75	13.25
UW 030	9 Tube	Cable	7.75	7.75	17.50
UW 66	Triple Chime	Cable	4.50	4.50	6.600
Keininger Movements Weight Usage					
H	Westminster	Chain	8.80	8.80	8.80
HK	Triple Chime	Chain	8.80	8.80	11.0
HTU	9 Tube	Cable	11.0	8.80	14.5
KK	Westminster	Chain	7.70	6.60	6.60
KKU	Triple Chime	Chain	7.70	6.60	7.70
KRU/RSU	Triple Chime	Cable	8.80	6.60	8.80
PS	Bim-Bam	Cable	8.80	8.40	—
PS	Gong	Cable	8.80	6.90	—
RK	Westminster	Chain	6.60	6.60	6.60
RU	Triple Chime	Chain	6.60	6.60	7.70
RWS	Time Only	Cable	8.80	—	—

Hermle Year Of Manufacture	
Letter	Year
A	1988
B	1989
C	1990
D	1991
E	1992
F	1993
G	1994
H	1995
I	1996
J	1997
K	1998
L	1999
M	2000
N	2001
O	2002
P	2003
Q	2004
R	2005
S	2006
T	2007
U	2008
V	2009
W	2010
X	2011
Z	2012
AA	2013
BB	2014
CC	2015
DD	2016



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Phone # _____

Part #	Quantity	Description	Amount	Total

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- Shipping and insurance will be added to all orders.
- C.O.D. orders are not available.
- Prices are subject to change without notice.

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(Arizona residents only)

Handling Charge:

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Estimated Shipping Charge:

Add \$5.00 if under \$15 or 10% of order subtotal if order is over \$15, whichever is greater. Actual charges may vary depending on size and weight.

Total:

Catalog #44

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S. T. #2 Style 77 Movement Parts

We've located a small hoard of S. T. #2, 77 style movement parts that have been in storage since the 1970's. They were made for a reproduction #2 movement that never went into full production. The brass parts are dirty and some of the steel parts have a light coating of rust from storage. They interchange with many varieties of 77 movements, with the exception of the mounting bracket which is slightly undersized. Some minor fitting may be required.



Front Plate
No. 32024 \$10.50 each



Rear Plate
No. 32025 \$10.50 each



Rough Movement Mounting Bracket
No. 32026 \$12.00 each



Idle Wheel Blank
No. 32030 \$3.00 each



Winding Arbor
No. 32032 \$3.50 each



Maintaining Click Arbor
No. 32033 \$1.50 each



Weight Center Rod
No. 32034 \$2.50 each



Movement Post
No. 32035 \$2.50 each



Movement Post Screw
No. 32029 50¢ each



Motion Work Pinion Blank
No. 32027 \$1.00 each



Rating Nut
No. 32028 \$1.00 each



Mainwheel Click Spring
No. 33714 \$4.75 each



Main Wheel
No. 32037 \$8.00 each



Winding Drum
No. 32038 \$4.00 each



2nd Wheel Blank
No. 32039 \$3.00 each



Escape Wheel & Pinion Assembly
No. 32040 \$12.00 each



Maintaining Power Return Spring
No. 32777 \$2.00 each



Cable Post
No. 32042 \$2.50 each



Weight Pulley
No. 32043 \$4.00 each