

Part #	Movement Type (Non-Pendulum)	Movement Size	Mfr.	Handshaft Length	Max. Dial Thickness	Battery Type (not included)	Chime	Strike	Price				Other Features
									Each	3's	6's	12's	
No. 14426	24-Hour	2-1/8" x 2-1/8" x 5/8"	USA	11/16"	1/4"	"AA"	—	—	\$7.50	\$7.25	\$7.00	\$6.75	Used in computer, radio room and military installations. Stepping sweep. Rear set. Non pendulum
Pendulum Quartz Movements													
No. 18400	Bim-Bam Chime Rods	6-1/4" x 5-7/8" x 2"	Asia	13/16"	15/16"	"D"	1/2's	Hour	\$44.00	\$43.75	\$43.50	\$43.25	Does not accommodate a second hand. With 16" rod and bob.
No. 22737	High Torque Westminster	3-1/4" x 3" x 1-3/16"	Asia	7/8"	7/16"	"C"	—	—	\$12.50	\$12.25	\$12.00	\$11.75	Includes a 16" rod and bob. Rear set.
No. 19784	Westminster	2-1/4" x 4-3/8" x 1"	Asia	5/8"	5/16"	"C"	1/4's	Hour	\$22.00	\$21.75	\$21.50	\$21.25	Stepping sweep. Rear set. Built-in speaker. Combine for discounts. With 16" rod and bob.
No. 19270	Westminster	2-1/4" x 4-3/8" x 1"	Asia	3/4"	3/8"	"C"	1/4's	Hour	\$22.00	\$21.75	\$21.50	\$21.25	
No. 19271	Westminster	2-1/4" x 4-3/8" x 1"	Asia	1"	5/8"	"C"	1/4's	Hour	\$22.00	\$21.75	\$21.50	\$21.25	
No. 20695	Westminster	2-1/4" x 4-3/8" x 1"	Hermle	7/16"	3/16"	"C"	1/4's	Hour	\$19.50	\$19.25	\$19.00	\$18.75	For hands see page 69 Stepping sweep. Rear set. Detachable speaker 12" wires. Combine for discounts. With 16" rod and bob.
No. 20696	Westminster	2-1/4" x 4-3/8" x 1"	Hermle	5/8"	3/8"	"C"	1/4's	Hour	\$19.50	\$19.25	\$19.00	\$18.75	
No. 20697	Westminster #2212	2-1/4" x 4-3/8" x 1"	Hermle	13/16"	1/2"	"C"	1/4's	Hour	\$19.50	\$19.25	\$19.00	\$18.75	
No. 15735	Westminster	3-3/4" x 4-3/8" x 1"	Asia	5/8"	1/4"	"C"	Hour	—	\$20.00	\$19.75	\$19.50	\$19.25	With 16" rod and bob. Rear set.
No. 23562	Westminster/Ave Maria #2215	4-3/8" x 4-1/4" x 1-1/8" NEW	Hermle	3/4"	3/8"	2-"C"	1/4's	Hour	\$29.00	\$28.75	\$28.50	\$28.25	With 16" rod and bob. Detachable speaker with 10" wires. Rear set & volume control. Combine for price breaks.
No. 23560	Westminster	4-3/8" x 4-1/4" x 1-1/8"	Hermle	5/8"	3/8"	2-"C"	1/4's	1/4's	\$29.00	\$28.75	\$28.50	\$28.25	With 16" rod and bob. Detachable speaker with 10" wires. Rear set & volume control. With hands for 7" dial. No 2nd hand. Combine for price breaks.
No. 18934	& Bim-Bam #2214	4-3/8" x 4-1/4" x 1-1/8" NEW	Hermle	3/4"	7/16"	2-"C"	1/4's	1/4's	\$29.00	\$28.75	\$28.50	\$28.25	
No. 14580	Westminster &	3-1/4" x 4-1/2" x 1-5/16"	Asia	5/8"	1/4"	"C"	1/4's	Hour	\$29.00	\$28.75	\$28.50	\$28.25	With 16" rod and bob. Combine for discounts.
No. 14581	Whittington	3-1/4" x 4-1/2" x 1-5/16"	Asia	1-1/8"	11/16"	"C"	1/4's	Hour	\$29.00	\$28.75	\$28.50	\$28.25	

Pendulum Quartz Movements



No. 19498



No. 23529
No. 23530
No. 23531



No. 14555
No. 14556



No. 20167



No. 20692
No. 20693
No. 20694



No. 23553

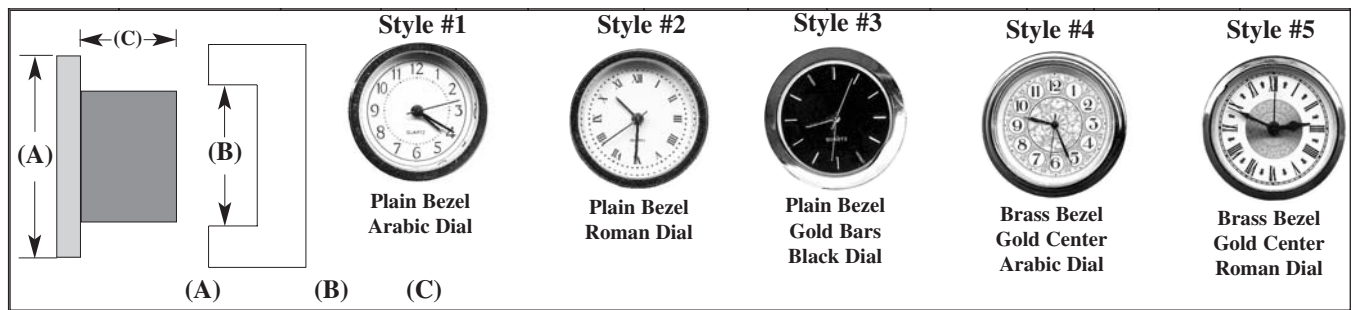


No. 19431
No. 19432

Note: All quartz movements use "I" shaft hands listed on pages 68-70 except where otherwise indicated. Mounting hardware is furnished with each movement.

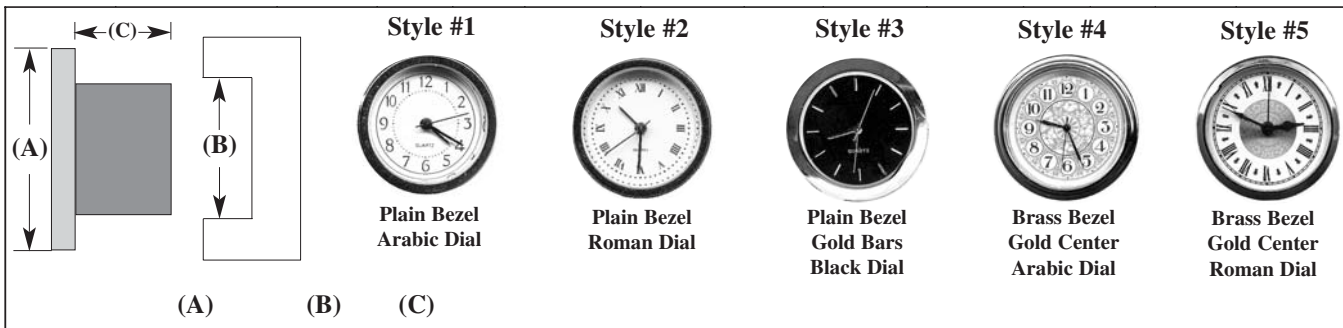
Part #	Movement Type Pendulum	Movement Size	Mfr.	Handshaft Length	Max. Dial Thickness	Battery Type (not included)	Chime	Strike	Price				Other Features
									Each	3's	6's	12's	
No. 19498	Dual Action	2-1/8" x 3-1/4" x 13/16"	Asia	1-1/16"	3/4"	"AA"	—	—	\$16.50	\$16.25	\$16.00	\$15.75	With 16" rod and bob. Top swings as pendulum swings. Stepping sweep.
No. 23529	Mini	2-3/16" x 2-3/16" x 5/8"	China	5/8"	5/16"	"AA"	—	—	\$6.25	\$6.00	\$5.75	\$5.50	With 16" rod and bob. Stepping sweep. Combine for discounts
No. 23530	Mini	2-3/16" x 2-3/16" x 5/8"	China	13/16"	1/2"	"AA"	—	—	\$6.25	\$6.00	\$5.75	\$5.50	
No. 23531	Mini	2-3/16" x 2-3/16" x 5/8" NEW	China	1-1/16"	11/16"	"AA"	—	—	\$6.25	\$6.00	\$5.75	\$5.50	
No. 14555	Mini	2-3/16" x 3-3/16" x 15/16"	Asia	5/8"	1/4"	"AA"	—	—	\$9.25	\$9.00	\$8.75	\$8.50	With 16" rod and bob. Stepping sweep. Combine for discounts.
No. 14556	Mini	2-3/16" x 3-3/16" x 15/16"	Asia	1"	11/16"	"AA"	—	—	\$9.25	\$9.00	\$8.75	\$8.50	
No. 20167	Mini	2-1/4" x 4-3/4" x 7/8"	Asia	7/16"	3/8"	"AA"	—	—	\$8.00	\$7.75	\$7.50	\$7.25	With 16" rod and bob. Stepping sweep
No. 20692	Mini	3-1/8" X 2-1/4" X 1-1/4"	Hermle	7/16"	3/16"	"AA"	—	—	\$8.75	\$8.50	\$8.25	\$8.00	With 16" rod and bob. Stepping sweep. For Hermle rods & bobs see page 10. For hands see page 70. Stepping sweep. Rear set. Combine for discounts.
No. 20693	Mini	3-1/8" X 2-1/4" X 1-1/4"	Hermle	5/8"	3/8"	"AA"	—	—	\$8.75	\$8.50	\$8.25	\$8.00	
No. 20694	Mini #2200	3-1/8" X 2-1/4" X 1-1/4"	Hermle	13/16"	1/2"	"AA"	—	—	\$8.75	\$8.50	\$8.25	\$8.00	
No. 23553	Passing Bell	2-1/8" x 3-3/16" x 1-1/4" NEW	German	13/16"	5/16"	"C"	—	Hour	\$17.50	\$17.25	\$17.00	\$16.75	With 16" rod and bob. Stepping sweep
No. 19431	Standard	3" x 3-7/16" x 1-1/8"	Asia	5/8"	5/16"	"C"	—	—	\$11.00	10.75	\$10.50	\$10.25	With 16" rod and bob. Can be combined for price breaks. Stepping sweep. Combine for price breaks.
No. 19432	High Torque	3" x 3-7/16" x 1-1/8"	Asia	7/8"	1/2"	"C"	—	—	\$11.00	10.75	\$10.50	\$10.25	

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Part #	Bezel Diameter	Min. Hole Diameter	Depth Below Bezel	Bezel Color	Dial Color	Numerals	Style #	Type Of Battery Required	Battery Included	Price Each	Price 3's	Price 12's	Special Features
No. 18462	1-7/16" (36mm)	1-3/8"	3/16"	Brass	White	Arabic	1	Watch	Yes	\$6.50	\$6.25	\$6.00	Combine for price breaks.
No. 18463	1-7/16" (36mm)	1-3/8"	3/16"	Brass	White	Roman	2	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20442	1-7/16" (36mm)	1-3/8"	5/16"	Brass	Ivory	Arabic	1	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20443	1-7/16" (36mm)	1-3/8"	5/16"	Brass	Ivory	Roman	2	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20447	1-7/16" (36mm)	1-3/8"	5/16"	Brass	White/Gold	Arabic	4	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20448	1-7/16" (36mm)	1-3/8"	5/16"	Brass	Ivory/Gold	Roman	5	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20445	1-7/16" (36mm)	1-3/8"	5/16"	Brass	Gold	Arabic	1	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20446	1-7/16" (36mm)	1-3/8"	5/16"	Brass	Gold	Roman	2	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20449	1-7/16" (36mm)	1-3/8"	5/16"	Pewter	White	Arabic	1	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 20450	1-7/16" (36mm)	1-3/8"	5/16"	Pewter	White	Roman	2	Watch	Yes	\$6.50	\$6.25	\$6.00	
No. 23532	1-3/4" (45mm) NEW	1-1/2"	5/16"	Brass	White	Arabic	1	Watch	Yes	\$7.00	\$6.75	\$6.50	Combine for price breaks.
No. 23533	1-3/4" (45mm) NEW	1-1/2"	5/16"	Brass	White	Roman	2	Watch	Yes	\$7.00	\$6.75	\$6.50	
No. 19859	2" (50mm)	1-13/16"	9/32"	Brass	White	Arabic	1	Watch	Yes	\$8.25	\$8.00	\$7.75	Combine for price breaks.
No. 19858	2" (50mm)	1-13/16"	9/32"	Brass	White	Roman	2	Watch	Yes	\$8.25	\$8.00	\$7.75	
No. 20451	2" (50mm)	1-13/16"	9/32"	Brass	Ivory	Arabic	1	Watch	Yes	\$8.25	\$8.00	\$7.75	
No. 20452	2" (50mm)	1-13/16"	9/32"	Brass	Ivory	Roman	2	Watch	Yes	\$8.25	\$8.00	\$7.75	
No. 20454	2" (50mm)	1-13/16"	9/32"	Brass	Gold	Roman	2	Watch	Yes	\$8.25	8.00	\$7.75	
No. 20455	2" (50mm)	1-13/16"	9/32"	Brass	Gold	Arabic	1	Watch	Yes	\$8.25	\$8.00	\$7.75	
No. 19861	2" (50mm)	1-13/16"	9/32"	Brass	White/Gold	Arabic	4	Watch	Yes	\$8.25	\$8.00	\$7.75	
No. 20453	2" (50mm)	1-13/16"	9/32"	Brass	Black	Gold Bars	3	Watch	Yes	\$8.75	\$8.50	\$8.25	
No. 20204	2-3/8" (60mm)	1-1/2"	5/16"	Brass	White	Arabic	1	"N"	Yes	\$5.50	\$5.25	\$5.00	Combine for price breaks.
No. 20203	2-3/8" (60mm)	2"	21/32"	Brass	White	Roman	2	"N"	Yes	\$5.50	\$5.25	\$5.00	
No. 20201	2-3/8" (60mm)	2"	21/32"	Brass	White/Gold	Arabic	4	"N"	Yes	\$5.50	\$5.25	\$5.00	
No. 20456	2-3/8" (60mm)	2"	21/32"	Brass	Gold	Arabic	1	"N"	Yes	\$5.50	\$5.25	\$5.00	
No. 20457	2-3/8" (60mm)	2"	21/32"	Brass	Gold	Roman	2	"N"	Yes	\$5.50	\$5.25	\$5.00	
No. 20458	2-3/8" (60mm)	2"	3/4"	Brass	White/Gold	Arabic	4	"AAA"	Yes	\$5.50	\$5.25	\$5.00	
No. 20459	2-3/8" (60mm)	2"	3/4"	Brass	White/Gold	Roman	5	"AAA"	Yes	\$5.50	\$5.25	\$5.00	
No. 16572	2-3/4" (70mm)	2-5/16"	1/2"	Brass	Ivory	Arabic	1	"N"	No	\$9.50	\$9.25	\$9.00	Combine for price breaks.
No. 16577	2-3/4" (70mm)	2-5/16"	1/2"	Brass	Ivory	Roman	2	"N"	No	\$9.50	\$9.25	\$9.00	

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Part #	Bezel Diameter	Din. Hole Diameter	Depth Below Bezel	Color	Dial Color	Numerals	Style #	Type Of Battery Required	Battery Included	Price Each	Price 3's	Price 12's	Special Features
No. 20524	2-13/16" (72mm)	2-3/8"	7/8"	Brass	White	Arabic	1	"N"	No	\$7.50	\$7.25	\$7.00	
No. 20525	2-13/16" (72mm)	2-3/8"	7/8"	Brass	White	Roman	2	"N"	No	\$7.50	\$7.25	\$7.00	
No. 16564	2-13/16" (72mm)	2-3/8"	7/8"	Brass	Gold	Arabic	1	"N"	No	\$7.50	\$7.25	\$7.00	Combine for price breaks.
No. 16570	2-13/16" (72mm)	2-3/8"	7/8"	Brass	Gold	Roman	2	"N"	No	\$7.50	\$7.25	\$7.00	
No. 20460	2-13/16" (72mm)	2-3/8"	7/8"	Brass	White/Gold	Arabic	4	"AAA"	No	\$7.50	\$7.25	\$7.00	
No. 20461	2-13/16" (72mm)	2-3/8"	7/8"	Brass	Ivory/Gold	Roman	5	"AAA"	No	\$7.50	\$7.25	\$7.00	
No. 20205	2-13/16" (72mm)	2"	21/32"	Brass	White	Arabic	1	"N"	No	\$6.00	\$5.75	\$5.50	
No. 20206	2-13/16" (72mm)	2"	21/32"	Brass	White	Roman	2	"N"	No	\$6.00	\$5.75	\$5.50	
Bo. 16596	2-7/8" (73mm)	2-5/16"	5/8"	Brass	White	Arabic	1	"N"	No	\$11.50	\$11.25	\$11.00	
No. 23534	3-1/8" (80mm) NEW	3"	1/2"	Brass	White	Arabic	1	"AA"	No	\$6.50	\$6.25	\$6.00	Combine for price breaks.
No. 23535	3-1/8" (80mm) NEW	3"	1/2"	Brass	White	Roman	2	"AA"	No	\$6.50	\$6.25	\$6.00	
No. 20464	3-5/16" (84mm)	2-3/8"	7/8"	Brass	White/Gold	Arabic	4	"N"	No	\$8.50	\$8.25	\$8.00	
No. 20466	3-1/2" (90mm)	3"	9/16"	Brass	Gold	Arabic	1	"AA"	No	\$6.50	\$6.00	\$5.75	Combine for price breaks.
No. 20467	3-1/2" (90mm)	3"	9/16"	Brass	Gold	Roman	2	"AA"	No	\$6.50	\$6.00	\$5.75	
No. 20468	3-1/2" (90mm)	3"	11/16"	Brass	White/Gold	Arabic	4	"AA"	No	\$6.50	\$6.00	\$5.75	
No. 20469	3-1/2" (90mm)	3"	11/16"	Brass	Ivory/Gold	Roman	5	"AA"	No	\$6.50	\$6.00	\$5.75	
No. 16574	3-7/8" (98mm)	2-5/16"	1/2"	Brass	Ivory	Arabic	1	"N"	No	\$13.25	\$13.00	\$12.75	Combine for price breaks.
No. 16579	3-7/8" (98mm)	2-5/16"	1/2"	Brass	Ivory	Roman	2	"N"	No	\$13.25	\$13.00	\$12.75	
No. 16595	4" (102mm)	2-5/16"	5/8"	Brass	White	Arabic	1	"AA"	No	\$12.50	\$12.25	\$12.00	Combine for price breaks.
No. 16591	4" (102mm)	2-5/16"	5/8"	Brass	White	Roman	2	"AA"	No	\$12.50	\$12.25	\$12.00	
No. 20470	4-3/8" (112mm)	2-3/16"	7/16"	Brass	White/Gold	Arabic	4	"AA"	No	\$16.50	\$16.25	\$16.00	Combine for price breaks.
No. 16575	4-3/8" (110mm)	2-5/16"	9/16"	Brass	Ivory	Arabic	1	"AA"	No	\$16.50	\$16.25	\$16.00	
No. 16580	4-3/8" (110mm)	2-5/16"	9/16"	Brass	Ivory	Roman	2	"AA"	No	\$16.50	\$16.25	\$16.00	
No. 16594	5-7/8" (150mm)	3-1/8"	13/16"	Brass	White	Arabic	1	"N"	No	\$17.00	\$16.75	\$16.50	Combine for price breaks.
No. 16590	5-7/8" (150mm) NEW	3-1/8"	13/16"	Brass	White	Roman	2	"N"	No	\$17.00	\$16.75	\$16.50	
No. 20472	6-1/4" (170mm)	3-1/8"	9/16"	Brass	White	Arabic	1	"AA"	No	\$17.50	\$17.25	\$17.00	Combine for price breaks.
No. 20474	6-1/4" (170mm)	3-1/8"	9/16"	Brass	White/Gold	Arabic	4	"AA"	No	\$17.50	\$17.75	\$17.50	
No. 20475	7-7/8" (201mm)	3-1/8"	7/8"	Brass	White	Arabic	1	"AA"	No	\$18.00	\$17.75	\$17.50	Combine for price breaks.
No. 20476	7-7/8" (201mm)	3-1/8"	7/8"	Brass	White	Roman	2	"AA"	No	\$18.00	\$17.75	\$17.50	
No. 20477	7-7/8" (201mm)	3-1/8"	7/8"	Brass	White/Gold	Arabic	4	"AA"	No	\$18.00	\$17.75	\$17.50	
No. 20478	8-1/2" (217mm)	7-15/16"	1-1/8"	Brass	White	Arabic	1	"AA"	No	\$11.00	\$10.75	\$10.50	Combine for price breaks.
No. 20479	8-1/2" (217mm)	7-15/16"	1-1/8"	Brass	White	Roman	2	"AA"	No	\$11.00	\$10.75	\$10.50	

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Quartz Ships Bell Movement-Hermle



Hermle #577-071

Strikes ships bells on a brass bell. 4-1/4" tall x 2-5/8" wide by 2-7/8" deep. 3/8" handshaft length. "C" battery and hands are not included. Be sure to mount the movement with the battery at the top.

No. 20043 **\$83.50 each**

Quartz Ships Bell Movement-Hermle NEW



Hermle #2117

2-3/16" x 2-1/4" x 1-1/8" deep. Overall handshaft length is 5/8". Detached battery container. Uses 2 "AA" batteries (not included).

No. 23563 **\$32.00 each**

Quartz Fit-Up Movements-German



Rear set. Includes a brass bezel, clear crystal, hour, minute and second hands, and black numerals against a white background. "N" battery not included.

2-1/2" Bezel Diameter, 2-1/4" Minimum Hole Diameter, 2" Max. Case Thickness
 No. 14558 Arabic **\$19.00 each**
 No. 14559 Roman **\$19.00 each**

3-5/8" Bezel Diameter, 3-5/16" Minimum Hole Diameter, 2" Max. Case Thickness
 No. 14560 Arabic **\$20.50 each**
 No. 14561 Roman **\$20.50 each**

Fancy Quartz Fit-Up-German



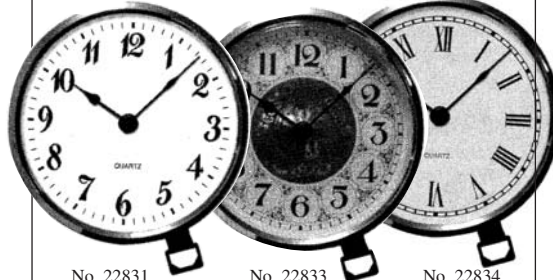
Made In Germany

Black numerals on a white background. Brass embossed bezel and dial center with plastic convex cover.

3-3/8" diameter brass bezel. 2-1/16" movement diameter. Maximum case depth is 1-7/8". "N" battery not included.
 No. 20784 **\$21.50 each**

Bezel diameter is 3-5/8". Minimum hole diameter is 3-5/16". Maximum case thickness of 2". "N" battery not included.
 No. 20532 **\$21.50 each**

Quartz Fitups With Pendulums



No. 22831 Arabic **\$11.75 each**
 No. 22833 .. Fancy Arabic **\$11.75 each**
 No. 22834 Roman **\$11.75 each**

4" bezel diameter with pendulum. Complete with 16" brass rod and 2-3/4" bob, Mounts into a 3-3/4" hole. One "AA" battery is not included.

Pendulum Attachment



Battery movement attaches to the back of a dial. 1-3/8" diameter, 7/8" thick. 6" long brass pendulum can be trimmed to length. "N" battery not included.

No. 19430 **\$7.50 each**

Pendulum Attachment



Battery movement clamps to bottom of a movement. Pendulum and "AA" battery not included. 1-3/4" wide, 2-1/2" tall.

No. 19335 **\$13.00 each**

Pendulum Attachment-Heavy Duty

Drives pendulums as heavy as 300 grams and 33" long. Uses one "D" battery (not included). 7-9/16" x 3" x 2-1/16" deep.

No. 23223 **\$12.00 each**

Pendulum Case



Converts a mini quartz movement to pendulum drive. Measures 5-1/2 x 2-1/4" x 1-1/4" deep. Includes a 16" brass pendulum rod and 2-3/4" bob. Quartz insert mini movement not included.

No. 23552 **\$5.50 each**



Electric Movements-Lanshire

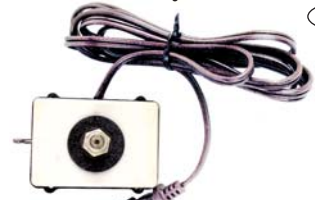


1-3/16" x 2-1/2" x 1-3/8" deep complete with cord. Handshaft diameter 3/8". Rear set. 13/16" handshaft length with a 5-16" maximum dial thickness. Hands are available on page 65.

No. 14420 **\$18.25 each**

\$54.00/ 3 (\$18.00) \$106.50/ 6 (\$17.75)

Lanshire Pam-Ad Style Movement



2-1/2" x 2" x 1-3/8" deep. 7/8" overall handshaft length with a 1/4" maximum dial thickness. Bottom set. Stem not included, choose from one of the stems below.

No. 23522 **\$22.00 each**

Lanshire Stems



For the above movement.

No. 23523 4-3/8" **\$4.00 each**

No. 23524 5-3/4" **\$4.00 each**

No. 23525 6-1/16" **\$4.00 each**

Lanshire In The Wall Movement NEW



4" diameter plate for mounting in the wall. 13/16" movement depth. 3/8" maximum dial (wall) thickness

No. 23421 **\$18.00 each**

\$53.25/ 3 \$17.75 each

Lanshire XL-7 Motor



Can be used in Pam-Ad, Lanshire In-The-Wall and fitup clocks. Measures 1-3/4" wide x 2-1/2" tall x 5/8" deep. 102-125 volts, 60 HZ.

No. 23424 **\$10.25 each**

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