

Fusee, English Dial & Bracket Clock Materials



	Fusee/English Dial Suspension Suspension with drilled top. Total length = 65.50mm. Item no ED1B	£4.73																																				
	Fusee Stop Arm Stop arm for Fusee clocks manufactured from 2mm steel plate. Item no EDFSA	£6.42																																				
	Fusee Pallet Blank Fusee pallet blank manufactured from 4mm carbon steel. Dimensions Total width 40mm Total height 25mm Gap between pallets 20mm Item no EDPB	£7.01																																				
	Fusee Set-up Ratchet Wheel Brass set up ratchet manufactured from 1/8" brass, 15 teeth and a 5mm square hole in the centre. Item no EDSR	£23.69																																				
	2.5" Double-Sided Bracket Bob Hand made high quality Fusee bob with silver soldered shells and 1/4" x 1/8" slot machined centrally. 2 1/2" diameter. Item no EDB2.5 Generally used for early Bracket clocks	£123.45																																				
	3" Double-Sided Fusee Bob High quality 3" Fusee bob with silver soldered edges. Polished front and rear. Item no EDB3	£115.48																																				
	Fusee Crutch Blank Manufactured from 1.00mm brass. Dimensions 51mm between centres of discs. Item no EDCB	£6.44																																				
	Fusee Bell Stand Composite Fusee bell stand, 3.00mm mounting for bell. Supplied with square brass nut. Dimensions 82.75 mm screw hole and bell seat. Item no EDBS	£18.74																																				
	Fusee Internal Click Steel blank for manufacturing the internal click which is mounted inside the main wheel on a Fusee clock. The blank is undrilled allowing the repairer to position the mounting hole in the correct position for the movement being worked on. Item no EDIC	£6.03																																				
Fusee Pendulum Rods A high quality Fusee pendulum rod manufactured from oblong section brass (1/4" x 1/8") with the round threaded section at the bottom of the rod machined out of the same piece. The top of the rod is slotted and cross drilled to receive the suspension and machined to take the crutch pin. The slot for the crutch pin is approximately 40mm from the top of the rod. Every rod is supplied with a knurled and threaded rating nut. The total length of the rods listed below includes the 1 1/2" threaded section at the bottom of the rod, used to adjust 																																						
All Fusee rods fit 2 1/2" and 3" Fusee double-sided bobs.																																						
<table><thead><tr><th>Length of Rod</th><th>Item no</th><th>Price</th></tr></thead><tbody><tr><td>5.5"</td><td>EDR5.5</td><td>£16.93</td></tr><tr><td>6.5"</td><td>EDR6.5</td><td>£15.29</td></tr><tr><td>7.5"</td><td>EDR7.5</td><td>£16.01</td></tr><tr><td>8.5"</td><td>EDR8.5</td><td>£16.68</td></tr><tr><td>9.5"</td><td>EDR9.5</td><td>£17.33</td></tr><tr><td>10.5"</td><td>EDR10.5</td><td>£18.03</td></tr><tr><td>11.5"</td><td>EDR11.5</td><td>£18.11</td></tr><tr><td>12.5"</td><td>EDR12.5</td><td>£19.26</td></tr><tr><td>13.5"</td><td>EDR13.5</td><td>£19.95</td></tr><tr><td>14.5"</td><td>EDR14.5</td><td>£21.09</td></tr><tr><td>15.5"</td><td>EDR15.5</td><td>£23.31</td></tr></tbody></table>	Length of Rod	Item no	Price	5.5"	EDR5.5	£16.93	6.5"	EDR6.5	£15.29	7.5"	EDR7.5	£16.01	8.5"	EDR8.5	£16.68	9.5"	EDR9.5	£17.33	10.5"	EDR10.5	£18.03	11.5"	EDR11.5	£18.11	12.5"	EDR12.5	£19.26	13.5"	EDR13.5	£19.95	14.5"	EDR14.5	£21.09	15.5"	EDR15.5	£23.31		
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French Clock Materials

	French Clock Crutch Blank Pressed 1.5mm thick brass crutch blank to suit French clocks. Item no FCCB		French Clock Bell Stand Brass French clock bell stand with brass knurled fixing nut. Shaft length 44.5mm. Item no FCBS												
	French Clock Bell Nut Knurled nut blank for locking French clock bell to bellstand. Turned profile with hole drilled and tapped M3. Item no FCBN		French Clock Strap Brass straps for retaining French clock movements. Made 5.5" long to allow for shortening. Item no FCMS												
	French Clock Pendulum Hook Pendulum hook for French clocks which is manufactured from 4mm square brass with a pilot hole drilled into the base Item no FCPH		2" Pressed French Clock Bell A 2" pressed (not cast) French clock bell supplied in highly polished brass. Can be fitted as it is or silvered by the repairer for a particular job Item no 2FCB												
	French Clock Gong Hammer Brass French gong hammer with leather insert and squared mounting boss. The gong head is adjusted and locked by a small screw on the rear of the head Item no FCGH		French Clock Bell Hammer Brass French clock bell hammer with turned brass head, brass wire shaft and squared mounting boss Item no FCBH												
French Clock Pendulums French clock pendulums supplied with a central brass rating nut and locking screw. The steel pendulum rod is supplied over length so it can be shortened for the movement being worked on <table><tr><td></td><td>French Clock Pendulum (No 0) 32mm Weight 53.5 grams</td><td>Item no FCP0</td><td>£17.35</td></tr><tr><td></td><td>French Clock Pendulum (No 1) 35mm Weight 65.5 grams</td><td>Item no FCP1</td><td>£17.56</td></tr><tr><td></td><td>French Clock Pendulum (No 2) 38mm Weight 85.5 grams</td><td>Item no FCP2</td><td>£18.19</td></tr></table>					French Clock Pendulum (No 0) 32mm Weight 53.5 grams	Item no FCP0	£17.35		French Clock Pendulum (No 1) 35mm Weight 65.5 grams	Item no FCP1	£17.56		French Clock Pendulum (No 2) 38mm Weight 85.5 grams	Item no FCP2	£18.19
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	French Clock Pendulum (No 2) 38mm Weight 85.5 grams	Item no FCP2	£18.19												
French Clock Silk Pendulum Complete French clock silk pendulum. The rod is manufactured from 1.00mm spring steel and is formed into a hook at the top of the pendulum. A 4.00mm brass square crutch block and 28.50mm bob are also included Item no FCSP															
															

£11.60

French Clock Ratchet Wheels



French Clock Ratchet Wheels

French ratchet wheels in 15 sizes. Manufactured from a 2mm brass plate and has a 3mm square hole.

The 3mm square central hole can be filed out to suit the movement being worked on.

The larger sizes of ratchet wheels will also suit some German clocks and Mantle clocks.

Wheel Diameter	Item no	Price
10mm	FCRW10	£3.97
11mm	FCRW11	£3.97
12mm	FCRW12	£3.97
13mm	FCRW13	£4.29
14mm	FCRW14	£4.29
15mm	FCRW15	£4.73
16mm	FCRW16	£4.73
17mm	FCRW17	£4.82
18mm	FCRW18	£4.82
19mm	FCRW19	£5.51
20mm	FCRW20	£5.51
21mm	FCRW21	£6.33
22mm	FCRW22	£6.33
23mm	FCRW23	£6.33
24mm	FCRW24	£6.33

For French clock suspensions see page 20

Vienna Materials



Vienna Regulator Pulley

High quality 30mm polished four spoke pulley
Item no VRP4SP

£19.72



Vienna Regulator Weight

40mm x 95mm
High quality Vienna regulator weight which has an outer brass case which is filled with cast lead. The weight is highly polished and finished off with an attractive knurled cap, polished brass hook and washer.
Item no VRWPF

£78.09

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Popular Progress Clock Keys



Brass Clock Keys

Brass Clock Keys <i>Metric Sizes</i>	Item no	Price
2.00mm	2.00BK	£5.33
2.25mm	2.25BK	£5.33
2.50mm	2.50BK	£5.33
2.75mm	2.75BK	£5.33
3.00mm	3.00BK	£5.33
3.25mm	3.25BK	£5.33
3.50mm	3.50BK	£5.33
3.75mm	3.75BK	£5.33
4.00mm	4.00BK	£5.33
4.25mm	4.25BK	£5.33
4.50mm	4.50BK	£5.33
4.75mm	4.75BK	£5.33
5.00mm	5.00BK	£5.33
5.25mm	5.25BK	£5.33
5.50mm	5.50BK	£5.46
5.75mm	5.75BK	£5.46
6.00mm	6.00BK	£5.46
6.25mm	6.25BK	£5.46



Steel Clock Keys

Steel Clock keys <i>Metric Sizes</i>	Item no	Price
2.00mm	2.00SK	£5.29
2.25mm	2.25SK	£5.29
2.50mm	2.50SK	£5.29
2.75mm	2.75SK	£5.29
3.00mm	3.00SK	£5.29
3.25mm	3.25SK	£5.29
3.50mm	3.50SK	£5.29
3.75mm	3.75SK	£5.29
4.00mm	4.00SK	£5.29
4.25mm	4.25SK	£5.29
4.50mm	4.50SK	£5.29
4.75mm	4.75SK	£5.29
5.00mm	5.00SK	£5.29
5.25mm	5.25SK	£6.28
5.50mm	5.50SK	£6.28
5.75mm	5.75BK	£6.28
6.00mm	6.00SK	£6.28
6.25mm	6.25SK	£7.53
6.50mm	6.50SK	£7.53
6.75mm	6.75SK	£7.53
7.00mm	7.00SK	£7.53



Ansonia Clock Keys

Double ended key with 1.70mm
adjuster pipe.

Brass Ansonia Keys <i>Number Sizes</i>	Item no	Price
No 4 (3.20mm)	4ANS	£6.66
No 5 (3.40mm)	5ANS	£6.66
No 6 (3.60mm)	6ANS	£6.66
No 7 (3.80mm)	7ANS	£6.66
No 8 (4.00mm)	8ANS	£6.66
No 9 (4.20mm)	9ANS	£6.66
No 10 (4.40mm)	10ANS	£6.66
No 11 (4.60mm)	11ANS	£6.66
No 12 (4.80mm)	12ANS	£6.66
No 13 (5.00mm)	13ANS	£6.66
No 14 (5.20mm)	14ANS	£6.66
No 15 (5.40mm)	15ANS	£6.66
No 16 (5.60mm)	16ANS	£6.66



Double Ended Carriage Clock Keys

Sizes 2.00mm to 3.00mm have
a 1.70mm adjuster.
Sizes 3.25mm to 4.50mm have
a 2.00mm adjuster.

Brass Ansonia Keys <i>Metric Sizes</i>	Item no	Price
2.00mm	2.00DECCK	£7.96
2.25mm	2.25DECCK	£7.96
2.50mm	2.50DECCK	£7.96
2.75mm	2.75DECCK	£7.96
3.00mm	3.00DECCK	£7.96
3.25mm	3.25DECCK	£7.96
3.50mm	3.50DECCK	£7.96
3.75mm	3.75DECCK	£7.96
4.00mm	4.00DECCK	£7.96
4.25mm	4.25DECCK	£7.96
4.50mm	4.50DECCK	£7.96

The steel and brass clock keys feature thick handles to resist twist when winding a clock and deep squares to provide a secure location on the clock.

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Popular Progress Clock Keys



Antique Style Carriage Clock Keys

Antique Style Carriage Clock Keys <i>Metric Sizes</i>	Item no	Price
3.00mm	3.00ACCK	£20.11
3.25mm	3.25ACCK	£20.11
3.50mm	3.50ACCK	£20.11
3.75mm	3.75ACCK	£20.11
4.00mm	4.00ACCK	£20.11
4.25mm	4.25ACCK	£20.11
4.50mm	4.50ACCK	£20.11



Work Shop Star Keys

Brass Star Key <i>Number Sizes</i>	Item no	Price
Brass Star Key 4,6,8,10	WSSK4	£15.62
Brass Star Key 5,7,9,11	WSSK5	£15.62
Brass Star Key 6,8,10,12	WSSK6	£15.62
Brass Star Key 7,9,11,13	WSSK7	£15.62
Brass Star Key 8,10,12,14	WSSK8	£15.62



Heart Shaped Bracket Clock Keys

Heart Shaped Keys <i>Number Sizes</i>	Item no	Price
No 6 (3.60mm)	6EDHSK	£24.19
No 7 (3.80mm)	7EDHSK	£24.19
No 8 (4.00mm)	8EDHSK	£24.19
No 9 (4.20mm)	9EDHSK	£24.19
No 10 (4.40mm)	10EDHSK	£24.19
No 11 (4.60mm)	11EDHSK	£24.19
No 12 (4.80mm)	12EDHSK	£24.19
No 13 (5.00mm)	13EDHSK	£24.19
No 14 (5.20mm)	14EDHSK	£24.19



Vienna Crank Clock Keys

Vienna Crank Keys <i>Number Sizes</i>	Item no	Price
No 3/0 (2.00mm)	3/0VRK	£4.52
No 2/0 (2.20mm)	2/0VRK	£4.52
No 1/0 (2.40mm)	1/0VRK	£4.52
No 1 (2.60mm)	1VRK	£4.52
No 2 (2.80mm)	2VRK	£4.52
No 3 (3.00mm)	3VRK	£4.52
No 4 (3.20mm)	4VRK	£4.52
No 5 (3.40mm)	5VRK	£4.52
No 6 (3.60mm)	6VRK	£4.52
No 7 (3.80mm)	7VRK	£4.52
No 8 (4.00mm)	8VRK	£4.52
No 9 (4.20mm)	9VRK	£4.52
No 10 (4.40mm)	10VRK	£4.52



Longcase Steel Handled Crank Clock Keys

Steel Crank Keys <i>Number Sizes</i>	Item no	Price
No 9 (4.20mm)	9SCK	£11.84
No 10 (4.40mm)	10SCK	£11.84
No 11 (4.60mm)	11SCK	£11.84
No 12 (4.80mm)	12SCK	£11.84
No 13 (5.00mm)	13SCK	£11.84
No 14 (5.20mm)	14SCK	£11.84
No 15 (5.40mm)	15SCK	£11.84
No 16 (5.60mm)	16SCK	£11.84
No 17 (5.80mm)	17SCK	£11.84
No 18 (6.00mm)	18SCK	£11.84



Longcase Wooden Handled Crank Clock Keys

Wooden Handled Crank Keys <i>Number Sizes</i>	Item no	Price
No 7 (3.80mm)	7WCK	£17.79
No 8 (4.00mm)	8WCK	£17.79
No 9 (4.20mm)	9WCK	£17.79
No 10 (4.40mm)	10WCK	£17.79
No 11 (4.60mm)	11WCK	£17.79
No 12 (4.80mm)	12WCK	£17.79
No 13 (5.00mm)	13WCK	£17.79
No 14 (5.20mm)	14WCK	£17.79
No 15 (5.40mm)	15WCK	£17.79
No 16 (5.60mm)	16WCK	£17.79
No 17 (5.80mm)	17WCK	£17.79
No 18 (6.00mm)	18WCK	£17.79
No 19 (6.20mm)	19WCK	£17.79
No 20 (6.40mm)	20WCK	£17.79
No 21 (6.60mm)	21WCK	£17.79
Wooden Handled Crank keys <i>Metric Sizes</i>	Item no	Price
3.75mm	3.75WCK	£17.79
4.00mm	4.00WCK	£17.79
4.25mm	4.25WCK	£17.79
4.50mm	4.50WCK	£17.79
4.75mm	4.75WCK	£17.79
5.00mm	5.00WCK	£17.79
5.25mm	5.25WCK	£17.79
5.50mm	5.50WCK	£17.79
5.75mm	5.75WCK	£17.79
6.00mm	6.00WCK	£17.79
6.25mm	6.25WCK	£20.93
6.50mm	6.50WCK	£20.93
6.75mm	6.75WCK	£20.93
7.00mm	7.00WCK	£20.93

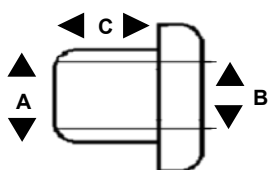
All clock keys are manufactured in our workshops in Derbyshire to a higher specification than any imported keys.

The longcase keys are manufactured with a longer than normal pipe to prevent the handle snagging on the hands of the clock when winding.

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Winding Hole Grommets



Brass winding hole grommets to fit French Clocks and antique English Longcases.

	A	B	C	Item no	Price for 2 pieces
	10.00mm	9.50mm	6.00mm	DG3	£2.46
	6.00mm	5.50mm	2.50mm	DG5	£2.46
	8.10mm	8.00mm	3.50mm	DG7	£2.46
	10.00mm	9.50mm	4.40mm	DG11	£2.46
	10.00mm	9.50mm	4.30mm	DG13	£2.46
	10.75mm	10.40mm	4.60mm	DG15	£2.46
	10.00mm	9.40mm	3.51mm	DG17	£2.46

Clock Suspensions

Longcase Single End Suspension

One brass suspension with riveted brass top.
Spring steel strip 0.15mm x 6.27mm

- 85mm long **Item no LC85**
- 90mm long **Item no LC90**
- 95mm long **Item no LC95**
- 100mm long **Item no LC100**
- 105mm long **Item no LC105**
- 110mm long **Item no LC110**

£6.15

Longcase Double Ended Suspension, 3" Block

Suspension designed to prevent twist of the pendulum during the swing. Threaded 5BA.

Item no LC2/3

£11.35

Longcase Double Ended Suspension

Two brass suspension. Spring steel strip 0.15mm x 6.27mm x 98mm and fitted with a drilled, tapped and slotted bottom (5BA).

Item no LC2

£6.52

Fusee/English Dial Suspension

Suspension with drilled top.
Total length = 65.50mm.

Item no ED1B

£4.73

American Ansonia Rolled Suspension Spring

Overall length 467mm

Rolled in 1 piece from a 2mm steel rod with a hole punched in the top of the flexible part of the suspension to fit a retaining pin. The rod is supplied with a generous length which can be cut down to the length required for the movement being worked on.

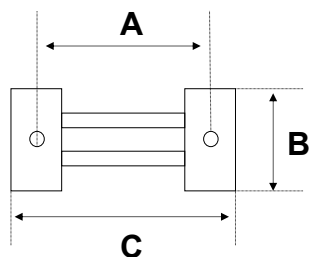
Item no AARSS

£5.77

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Metal End Suspensions



A = Distance between pins

B = Width

C = Total length

Suspension Dimensions

(Illustration not to scale)

	Distance Between Pins A	Width B	Total Length C	Item no	Price
	16.00mm	4.00mm	20.00mm	FC SMPF128	£5.77
	14.50mm	4.00mm	22.20mm	FC SMPF130	£5.77
	18.50mm	4.00mm	25.50mm	FC SMPF131	£5.77
	18.00mm	4.00mm	25.50mm	FC SMPF132	£5.77
	10.50mm	8.00mm	14.60mm	MPF001	£3.78
	11.50mm	8.00mm	15.75mm	MPF002	£3.78
	12.50mm	8.00mm	16.75mm	MPF003	£3.78
	13.50mm	8.00mm	17.75mm	MPF004	£3.78
	14.50mm	8.00mm	18.60mm	MPF005	£3.78
	15.50mm	8.00mm	19.90mm	MPF006	£3.78

	Distance Between Pins A	Width B	Total Length C	Item no	Price
	16.50mm	8.00mm	20.20mm	MPF007	£3.78
	13.50mm	8.00mm	18.20mm	MPF008	£3.78
	10.50mm	8.00mm	15.00mm	MPF009	£3.78
	12.50mm	8.00mm	17.10mm	MPF010	£3.78
	17.00mm	8.00mm	21.20mm	MPF012	£4.86
	19.00mm	8.00mm	24.00mm	MPF013	£4.86
	15.00mm	8.00mm	18.60mm	MPF014	£4.86
	14.50mm	8.00mm	19.10mm	MPF015	£4.86
	12.50mm	8.00mm	20.50mm	MPF016	£10.31
	13.00mm	8.00mm	18.00mm	MPF017	£3.78

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Materials



CZ131 Yellow Brass Bar

CZ131 brass bar is an ideal alternative to cast brass. This is a commercially made brass with a higher copper content which gives it an original antique yellow colour. Easy to machine and excellent for manufacturing pillars, dial feet, wheel collets, plugs and bushes or any other component that requires riveting.

Supplied in 250mm lengths approx.

1/4" CZ131 Round Brass Bar (1/4" dia)	Item no 1/4CZ131	£2.38
1/2" CZ131 Round Brass Bar (1/2" dia)	Item no 1/2CZ131	£5.37
3/4" CZ131 Round Brass Bar (3/4" dia)	Item no 3/4CZ131	£15.55
1" CZ131 Round Brass Bar (1" dia)	Item no 1CZ131	£21.30
1 1/2" CZ131 Round Brass Bar (1 1/2" dia)	Item no 1 1/2CZ131	£22.88
(1 1/2" bar supplied in 200mm lengths approx)		



EN8 DM Free Cutting Medium Carbon Steel Bar

A free cutting steel which will also harden well. An ideal material for manufacturing Longcase pinions etc.

Supplied in 250mm lengths approx.

1/4" EN8 DM Steel Round Bar (1/4" dia)	Item no 1/4EN8	£3.05
8mm EN8 DM Steel Round Bar (8mm dia)	Item no 8EN8	£3.16
1/2" EN8 DM Steel Round Bar (1/2" dia)	Item no 1/2EN8	£3.32
11/16" EN8 DM Steel Round Bar (11/16" dia)	Item no 11/16EN8	£4.09



Pegwood

Traditional Pegwood used to clean any deposits left in pivot holes. Supplied in four sizes. **Approx length 150mm.**

3.00mm Peg wood (3mm dia)	Item no 3PW	per bundle £5.05
4.00mm Peg wood (4mm dia)	Item no 4PW	per bundle £5.05
5.00mm Peg wood (5mm dia)	Item no 5PW	per bundle £5.05
6.00mm Peg wood (6mm dia)	Item no 6PW	per bundle £5.05



Polishing Pig Tail

Polishing pigtail designed to be gripped externally in a pistol drill. Shaft diameter 9.4mm. Max diameter of threaded section 19.85mm.

Item no PPT

£7.69



Polishing Pig Tail (Female)

Polishing pig tail designed to be filled to a polishing machine or bench grinder. Bore 1/2". Max diameter of threaded section 19.85mm.

Item no PPTF

£7.69



0.15mm x 6.27mm Suspension Strip 1 Mtr long

Spring steel strip for producing custom suspensions and other horological uses.

Item no LCSUS6

£5.59



0.15mm x 25.4mm Suspension Strip 500mm long

Spring steel strip for producing custom suspensions and other horological uses.

Item no LCSUS25

£6.16

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Screws

Machined Steel Cheese Head Screws



BA	Length	Item no	Price per Pack of 10
10BA	1/4"	10BAX1/4CHSA	£2.76
9BA	1/4"	9BAX1/4CHSA	£2.76
8BA	1/4"	8BAX1/4CHSA	£2.76
7BA	7/16"	7BAX7/16CHSA	£2.76
6BA	1/2"	6BAX1/2CHSA	£2.76
5BA	1/4"	5BAX1/4CHSA	£2.76
4BA	5/16"	4BAX5/16CHSA	£2.76
4BA	1/4"	4BAX1/4CHSA	£2.76
3BA	1/4"	3BAX1/4CHSA	£2.76
3BA	7/16"	3BAX7/16CHSA	£2.76

Machined Steel Cheese Head Screw Assortment

A packet of assorted machined steel screws. Sizes listed below.

10BA x 1/4	9BA x 1/4	8BA x 1/4	7BA x 7/16	6BA x 1/2
5BA x 1/4	4BA x 5/16	4BA x 1/4	3BA x 1/4	3BA x 7/16

40 screws in total, 4 of each size.

Item no CHSA **£16.99** (pack of 40)

Countersunk Brass Woodscrews



No	Head Diameter	Length	Item no	Price per pack of 25
2	4.00mm	1/2"	21/2BWS	£5.91
2	4.00mm	3/8"	23/8BWS	£5.91
3	4.00mm	1/2"	31/2BWS	£6.16
4	5.15mm	1/2"	41/2BWS	£6.16
4	5.15mm	3/4"	43/4BWS	£6.16
4	5.15mm	3/8"	43/8BWS	£6.16
4	5.00mm	1"	41BWS	£6.16
5	6.00mm	3/4"	53/4BWS	£6.16

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Clock Pins

Gauged Steel Tapered Clock Pins



Size	Dimensions	Item no	Price per Pack of 100
Size 1	0.30 x 0.60 x 11.0mm	STP1	£6.45
Size 2	0.50 x 0.80 x 11.0mm	STP2	£6.45
Size 3	0.60 x 1.00 x 11.0mm	STP3	£6.45
Size 4	0.65 x 1.10 x 14.0mm	STP4	£6.82
Size 5	0.75 x 1.15 x 14.0mm	STP5	£6.82
Size 6	0.80 x 1.20 x 14.0mm	STP6	£6.82
Size 7	1.10 x 1.30 x 15.0mm	STP7	£7.01
Size 8	1.10 x 1.40 x 15.0mm	STP8	£7.01
Size 9	1.15 x 1.50 x 15.0mm	STP9	£7.01
Size 10	0.25 x 0.65 x 15.2mm	STP10	£7.25
Size 11	0.60 x 1.00 x 15.2mm	STP11	£7.25
Size 12	0.85 x 1.25 x 15.2mm	STP12	£7.25
Size 13	1.10 x 1.50 x 15.2mm	STP13	£9.18
Size 14	1.40 x 1.80 x 15.2mm	STP14	£9.18
Size 15	1.20 x 1.60 x 16.0mm	STP15	£7.25
Size 16	1.30 x 1.70 x 16.0mm	STP16	£7.25
Size 17	1.40 x 1.75 x 16.0mm	STP17	£7.25
Size 18	0.30 x 1.27 x 25.4mm	STP18	£9.68
Size 19	0.70 x 1.80 x 25.4mm	STP19	£9.68
Size 20	0.76 x 1.65 x 25.4mm	STP20	£9.68
Size 21	1.14 x 1.91 x 25.4mm	STP21	£9.68
Size 22	1.50 x 2.40 x 25.4mm	STP22	£9.68

Gauged Brass Tapered Clock Pins



Size	Dimensions	Item no	Price per Pack of 100
Size 1	0.30 x 0.60 x 11.0mm	BTP1	£6.45
Size 2	0.50 x 0.80 x 11.0mm	BTP2	£6.45
Size 3	0.60 x 1.00 x 11.0mm	BTP3	£6.45
Size 4	0.65 x 1.10 x 14.0mm	BTP4	£6.82
Size 5	0.75 x 1.15 x 14.0mm	BTP5	£6.82
Size 6	0.80 x 1.20 x 14.0mm	BTP6	£6.82
Size 7	1.10 x 1.30 x 15.0mm	BTP7	£7.01
Size 8	1.10 x 1.40 x 15.0mm	BTP8	£7.01
Size 9	1.15 x 1.50 x 15.0mm	BTP9	£7.01
Size 10	0.25 x 0.65 x 15.2mm	BTP10	£7.25
Size 11	0.60 x 1.00 x 15.2mm	BTP11	£7.25
Size 12	0.85 x 1.25 x 15.2mm	BTP12	£7.25
Size 13	1.10 x 1.50 x 15.2mm	BTP13	£9.18
Size 14	1.40 x 1.80 x 15.2mm	BTP14	£9.18
Size 15	1.20 x 1.60 x 16.0mm	BTP15	£7.25
Size 16	1.30 x 1.70 x 16.0mm	BTP16	£7.25
Size 17	1.40 x 1.75 x 16.0mm	BTP17	£7.25
Size 18	0.30 x 1.27 x 25.4mm	BTP18	£9.68
Size 19	0.70 x 1.80 x 25.4mm	BTP19	£9.68
Size 20	0.76 x 1.65 x 25.4mm	BTP20	£9.68
Size 21	1.14 x 1.91 x 25.4mm	BTP21	£9.68
Size 22	1.50 x 2.40 x 25.4mm	BTP22	£9.68

Universal Steel Clock Pins

Available in 3 overlapping sizes



Size	Item no	Price
SMALL SIZE : 0.30mm x 1.35mm over length 32.00mm	UPS50	£9.28 (pack of 50)
SMALL SIZE : 0.30mm x 1.35mm over length 32.00mm	UPS100	£15.62 (pack of 100)
MEDIUM SIZE : 1.00mm x 2.05mm over length 32.00mm	UPM50	£9.28 (pack of 50)
MEDIUM SIZE : 1.00mm x 2.05mm over length 32.00mm	UPM100	£15.62 (pack of 100)
LARGE SIZE : 1.90mm x 2.95mm over length 32.00mm	UPL25	£5.97 (pack of 25)
LARGE SIZE : 1.90mm x 2.95mm over length 32.00mm	UPL50	£9.94 (pack of 50)
ASSORTED SIZES : 10 Small / 10 Medium / 5 Large	UPAST25	£6.16 (pack of 25)

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Cleaners & Polishers



Horolene Concentrate Clock Cleaner

For the cleaning of all non-ferrous metals including brass and copper. Horolene removes tarnish and verdigris from brass clock movements and all other brass and copper objects. Immerse item to be cleaned in diluted solution (7 parts water to 1 part concentrate) making it very economical to use.

Volume	Item no	Price
250ml	250HL	£18.38
500ml	500HL	£28.12
1Ltr	1HL	£43.13
2.5Ltr	2.5HL	£82.84
5Ltr	5HL	£133.57



Horosonic Clock, Watch & Instrument Cleaner (Ammonia Free)

A reliable cyanide free, ammonia free, non-aqueous cleaner for removing grease, oil, soils, gums and tarnish from clock, watch and instrument parts. For use in watch cleaning machines and ultrasonic tanks.

Volume	Item no	Price
1Ltr	1HSC	£18.42



Horosonic Clock, Watch & Instrument Rinse

This is a non-corrosive solvent suitable for rinsing or solvent cleaning of all metal parts and instrument components. Removes light oil, grease and residues of solvent based cleaners, evaporating to leave a clean surface.

Volume	Item no	Price
1Ltr	1HSR	£18.68
2.5Ltr	2.5HSR	£36.78



Horotech Spirit Rinse for Watches, Clocks & Instruments

A special high purity hydrocarbon solvent suitable for rinsing or solvent cleaning of all metal parts and instrument components.

Volume	Item no	Price
1Ltr	1HTCR	£18.83
2.5Ltr	2.5HTCR	£37.14



Horotech Rinse 'N'Lube for Watches

A special high purity hydrocarbon solvent with added lubricant. This product may be used for final rinse after first using Horotech Rinse. Drain thoroughly. Dry in warm air. (CAUTION : FLAMMABLE)

Volume	Item no	Price
1Ltr	1HTCR+L	£22.33
2.5Ltr	2.5HTCR+L	£42.68



Horelex Rust Remover

A free-flowing liquid preparation for removing rust from ferrous metals. Based on phosphoric acid, speciality detergents together with inhibitors and synergists it is both fast and effective attacking and removing surface rust.

Volume	Item no	Price
120ml	120HRR	£6.61



Brass & Copper Polish

A modern metal polish which gives rapid removal of tarnish, grease or dirt deposits and leaves an excellent shine. Suitable for polishing brass, copper, zinc, pewter & stainless steel. Open with care away from the face. Apply with a soft cloth or buff. Rub until tarnish is dispersed, then polish off at once with a clean, soft dry cloth.

Volume	Item no	Price
200ml	200B&CP	£7.06

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Chemical & Finishers



Clock Case Restorer

A silicon oil emulsion which removes dirt, grime, wax, grease etc. restoring the original beauty of the wood. Apply sparingly with a soft dry cloth working on a small area at a time. Polish with a clean soft cloth.

Volume	Item no	Price
120ml	120CCR	£10.29



Polish Reviver

A mixture of fine abrasives dispersed in a water based lubricating medium to produce a non-flammable, non-toxic liquid which brings back new life to old tired French polish etc.

Volume	Item no	Price
120ml	120PR	£11.72



Horosil (Silvering Powder)

A silver chloride based white powder used for silvering brass dials. Use a dampened soft clean cloth and apply a small amount in a circular motion until the surface of the brass is uniform in colour. Rinse in cold water and apply Horofinish.

Volume	Item no	Price
120g	DSP	£58.14



Horofinish (Finishing Powder)

White powder used for finishing and brightening the silvered finish after using Horosil (Silvering Powder). Take a small amount at a time of the Horofinish and in a circular motion completely cover the silvered area. Rinse off article in cold water and dry thoroughly with a soft clean cloth.

Volume	Item no	Price
120g	DFP	£13.72



Jewellers Rouge Powder

Jewellers or polishing rouge is a very fine compound originally developed by the jewellery trade for buffing precious metals. Jewellers rouge will bring out the maximum lustre and a mirror like finish in jewellery and other items made of soft metals.

Volume	Item no	Price
100g	JRP	£5.14



Slate Blacking

A black super high solids metallised emulsion polish - water based for black marble / slate clocks. Curator Slate Blacking assists in the restoration of colour. Apply and when dry buff to a high shine. Can also be used to enhance cast iron work.

Volume	Item no	Price
120ml	120SB	£17.14



Blue Lacquer

A blue tinted shellac lacquer for bluing steel metal components. Particularly useful for patching damaged or fragile steel hands where heat bluing would be difficult or impossible due to soldered repair.

Volume	Item no	Price
60ml	60BL	£8.01



Microcrystalline Wax

A tough dense and water repellent wax with a higher melting point than most traditional waxes. Ideal for situations needing a tough coating and a resistance to damp water.

Volume	Item no	Price
225ml	225MW	£17.18

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Metal Treatments & Finishers



Horolacq Brush On Clear Brass Lacquer

A Shellac based metal lacquer for application to cold metal surfaces by brush or soft cloth. Used for interior applications such as clock dials, dial and case components and furniture fixtures and fittings.

Lacquer	Volume	Item no	Price
Clear	100ml	CBL	£11.62



Horolacq Brush on Silver Lacquer

A resin based lacquer for application to cold metal surfaces by brush or cloth. Ideal for preserving the bright finish on silvered chapter rings and other silvered dial components.

Volume	Item no	Price
100ml	SL	£12.83



Verdigris Solution

A cold patination treatment which imparts a blue/green patina (verdigris) to brass, copper, bronze and gun metal. This replicates the patina which occurs naturally to these metals due to atmospheric corrosive reaction.

Volume	Item no	Price
150ml	150VS	£8.85
500ml	500VS	£20.55
2.5Ltr	25VS	£55.44
5Ltr	5VS	£91.65



Rusting Solution

A cold patination treatment to speed up the rusting process on steel and iron. Thoroughly remove and clean any grease or oil from the item to be rusted. Apply rusting solution by brush, cloth or immersion.

Volume	Item no	Price
500ml	500RS	£19.18
1Ltr	1RS	£32.72
2.5Ltr	25RS	£44.57



Black Antiquing Fluid

A cold patination treatment which will colour new or bright brass, copper or bronze to give an antique look. The black can also be used to colour Cast Iron.

Volume	Item no	Price
150ml	150AFBL	£8.85
500ml	500AFBL	£20.55
5Ltr	5AFBL	£91.65



Brown Antiquing Fluid

A cold patination treatment which will colour new or bright brass, copper or bronze to give an antique look.

Volume	Item no	Price
150ml	150AFBR	£8.85
500ml	500AFBR	£20.55
5Ltr	5AFBR	£91.65



Bronze Antiquing Fluid

A cold patination treatment which will colour new or bright brass, copper or bronze to give an antique look.

Volume	Item no	Price
150ml	150AFBZ	£8.85
500ml	500AFBZ	£20.55
5Ltr	5AFBZ	£91.65



Old English Brass Antiquing Fluid

A cold patination treatment which will colour new or bright brass, copper or bronze to give an antique look.

Volume	Item no	Price
150ml	150AFOEB	£8.85
500ml	500AFOEB	£20.55
5Ltr	5AFOEB	£91.65

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Metal Treatments & Finishers



Antiquing Fluid Pre-Treatment

An acidic degreasing solution that will clean away residues of grease or oil film on the surface of all ferrous and non-ferrous metals, leaving the surface totally clean prior to patination with our antiquing fluids. The pre-treatment can also be used as a degreasing solution prior to painting or polishing.

Volume	Item no	Price
150ml	150AFPT	£6.42
500ml	500AFPT	£9.72
5Ltr	5AFPT	£41.16



Protective Oil (Jade Oil)

Our protective oil works in exactly the same way as the discontinued jade oil in displacing moisture from the surface of the metal and also helping to fix and enhance the colour of the patina, after the item has been treated with antiquing fluid.

Volume	Item no	Price
250ml	250PO	£11.62
500ml	500PO	£21.30
1Ltr	1PO	£34.30
2.5Ltr	2.5PO	£58.24
5Ltr	5PO	£97.10

Oils



John Wardle Clock Oiler (Oil Included)

Our clock oiler is a very neat and convenient way to oil your clock giving you precise control over how much oil is applied to each component of the clock. This prevents over oiling which attracts dust and actually accelerates the wear rate. The oiler is fitted with a long micro bore steel tube allowing you to oil the more difficult to access areas of the movement and also preventing any spillage if the bottle is knocked

	Item no	Price
Low Viscosity Synthetic Oil (Approx 14 cSt)	CO50L	£7.35
Medium Viscosity Synthetic Oil (Approx 25 cSt)	CO50M	£7.35
High Viscosity Synthetic Oil (Approx 40 cSt)	CO50H	£7.35
Medium Viscosity Synthetic Oil (Approx 25 cSt)	CO50MS	£7.35



John Wardle Clock Oil

A high quality refined pure mineral oil perfect for instruments and clocks. The oil has no additives which can leave deposits when part of the oil has evaporated. These additives lead to sticky deposits around the pivots which will eventually stop the

Volume	Item no	Price
75ml	75CO	£5.35



John Wardle Clock & Instrument Oil

500ml of Instrument Oil.

A high quality refined pure mineral oil perfect for instruments and clocks. The oil has no additives which can leave deposits when part of the oil has evaporated. These additives lead to sticky deposits around the pivots which will eventually stop the clock.

Volume	Item no	Price
500ml	500LCO	£10.87
500ml	500MCO	£10.87
500ml	500HCO	£10.87



Turret Clock Oil

A pure mineral oil designed for Turret clocks.

	Volume	Item no	Price
Approx 25 cSt	500ml	500TCO	£10.10
Approx 25 cSt	5Ltr	5TCO	£53.04

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Popular Progress Key Guide

Metric Square Size	Number size in mm	Number size
2.00mm	2.00mm	3/0
	2.20mm	2/0
2.25mm		
	2.40mm	1/0
2.50mm		
	2.60mm	1
2.75mm		
	2.80mm	2
3.00mm	3.00mm	3
	3.20mm	4
3.25mm		
	3.40mm	5
3.50mm		
	3.60mm	6
3.75mm		
	3.80mm	7
4.00mm	4.00mm	8
	4.20mm	9
4.25mm		
	4.40mm	10
4.50mm		
	4.60mm	11
4.75mm		
	4.80mm	12
5.00mm	5.00mm	13
	5.20mm	14
5.25mm		
	5.40mm	15
5.50mm		
	5.60mm	16
5.75mm		
	5.80mm	17
6.00mm	6.00mm	18
	6.20mm	19
6.25mm		
	6.40mm	20
6.50mm		
	6.60mm	21

Email: sales@johnwardle.co.uk

Web: www.JohnWardle.co.uk

Tel: 01335 347154