



DANIELS LONDON



DANIELS ANNIVERSARY WRIST WATCH

TECHNICAL DATA AND CONSTRUCTION NOTES

Release Date 31st October 2012

Name Daniels Anniversary

Production Limited to 35 pieces

Movement

Design	by George Daniels
Made	in the Daniels and Roger W Smith studio – Isle of Man
Signed	Daniels
Numbered	1 to 35
Escapement	The single wheel Daniels Co-Axial as conceived by Roger Smith
Balance	Free sprung
Vibrations/hour	18,000
Power Reserve	In order to use the premium portion of the mainspring the power reserve has been restricted to approximately 36 hours
Diameter	34.9 mm
Thickness	9.60 mm
Jewels	33



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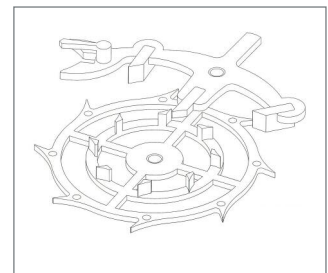
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The remit was to design and make a new Daniels wrist watch movement to celebrate the public's affection for the mechanical timekeeper and the art of the hand made watch.

George Daniels life's work was focused on the improvement of the mechanical timekeeper and this mechanism is its conclusion. It is also the very first and only production Daniels wrist watch to have been designed and made in its entirety (*) within the shores of the Isle of Man.

The escapement used in the mechanism is a piece of art in its own right, being the first new practical escapement for 250 years. Using the famed Daniels co-axial escapement, Roger took this to a new level in 2010 and developed his own single-wheel version which was approved by George Daniels due to its unique method of construction which achieves a higher level of accuracy. He makes it in its entirety within the confines of the Daniels and Roger W Smith studio. Another Daniels' feature is the Stop Start mechanism which restricts the power reserve by switching off the balance in its lower windings. The watch restarts when sufficient power has been restored to the mainspring allowing the switch to release, freeing the balance. This feature was used only once previously, in the Daniels fifteen second Remontoire pocket watch masterpiece completed in 1975.



In short, this unique approach to watch making has been symbolised by the use of the Isle of Man's three legs of Mann on the movement's base plate and further enforces the Isle of Man as a center of horological excellence.

Made	Isle of Man
Construction Time	16 weeks
Functions	Hours, minutes and seconds Instantaneous calendar mechanism Power reserve display Stop Start mechanism

(*) the main spring, balance spring, jewels, some screws, sapphire crystals and straps are brought in from specialist suppliers.



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Case

Material	18K yellow gold
Crystal	Sapphire
Case back	Open/Sapphire
Diameter	40.0 mm
Thickness	12.4 mm (including the crystals)
Water Resistance	3 Atmospheres
Weight	Hand made to approximately 48 grams

Technique The case has been hand fabricated using the Daniels method as described in 'Watchmaking' by George Daniels.

Three strips of gold are rolled to the correct size and then bent to form a rough circle. The rings are then individually gold soldered together and driven under great pressure into a tapered former. The result is three perfect circles of gold - one for the back, middle and front of the case.

The front and back rings are then machined to form the profiles and male threads are cut onto each component. The lugs are hand soldered onto the middle ring and then female threads are cut to take the back and the front.

Made	Isle of Man and London
Construction Time	2 weeks



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Dial

Materials	Silver and 18K yellow gold combination
Signed	Daniels
Finish	Hand engine turned with hand engraved numerals and lettering. Flame whitened dial background and radial grained chapters. All lettering and numerals are inked in by hand and then protected with lacquer which is applied by hand using a Squirrel hair brush.
Weight	Hand made to approximately 6 grams
Technique	<p>The 12 individual components are assembled by using a combination of silver soldering and securing with screws from the reverse. This method, as developed by Roger Smith, assists in creating the 3 dimensional dial layout.</p> <p>The materials and methods used in the dials construction means that the dial will have an infinite life span.</p>
Note	George was very fond of the dial layout used on his wrist and pocket chronographs completed in 1991 and 1994 respectively and this dial layout was the inspiration for the Anniversary dial.
Made	Isle of Man and London - Clerkenwell (hand engraving)
Construction Time	3 weeks

Hands

Materials	18K yellow gold and finished by hand
Made	Isle of Man
Construction Time	1 week



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Deployment Clasp Fitted to a black Alligator strap

Materials 18K yellow gold
Weight Hand made to approximately 28 grams

Made London - Hatton Garden
Construction Time 1 week

Calendar Corrector A hand fabricated graduated chain fitted to the Daniels pendant and bow with blue steel corrector.

Materials 18K yellow gold and steel combination

Made Isle of Man and London - Hatton Garden
Construction Time 3 days



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Presentation Hand fabricated leather bound and gold embossed Daniels presentation box with hand-stitched and gold embossed documentation.

Made London
Construction Time 1 week

Hallmarks London
The 'GD' sponsors mark is used to identify the designer and maker

Inspection Prior to the watch being despatched from the Daniels and Roger W Smith studio each watch is personally signed off by Roger Smith. This involves an inspection for aesthetics, function and accuracy which is followed by a two week, on-the-wrist test. All adjustments will be made personally by Roger and only signed off when the watch has met the exacting standards expected from a Daniels watch.
