



ARNOLD & SON

SINCE 1764

**Instrument Collection – Golden Wheel
New version 2016**

**Arnold & Son unveils a new version of the Golden Wheel:
World's first wandering hours and true beat seconds watch**

With a rich British watchmaking heritage that dates back to the 18th century, Arnold & Son masterfully reinterprets history with a visionary eye to the future. Underscoring its watchmaking prowess, Arnold & Son regularly unveils complicated watches with a unique twist. The patented Golden Wheel deftly reflects the brand's ingenuity and commitment to *Haute Horlogerie*.



Golden Wheel

Manufacture Arnold & Son A&S6018 calibre, self-winding, silvery and mother-of-pearl dial,
18-karat red gold case, diameter 44 mm

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The Golden Wheel combines the first-ever wandering hours function with the true beat seconds complication. It is part of the Instrument Collection, which pays tribute to the timepieces focused on chronometry that were developed during the second half of John Arnold's life and with his son Roger.

The Golden Wheel timepiece is a unique three-dimensional interpretation of the ancient wandering hours complication that has roots in table clocks of the mid-17th century. In fact, the first implementation of the wandering hours complication in pocket watches was most likely made in England at the beginning of the 18th century. Thus, it is a fitting complication for the Arnold & Son watchmakers – inspired by British watchmaking heritage – to reinvent anew, perpetuating the long tradition of wandering hour watches.

Arnold & Son crafts the central time-carrousel in solid 18-karat red gold, thereby giving the masterpiece its Golden Wheel name. The latest version of the Golden Wheel now features sapphire discs with black figures, a redesigned outer ring and a black ADLC treated dial plate in order to further increase contrast and readability.

The mother-of-pearl arc displays the current hour, as the sapphire disks with the black hour numerals float over the contrasting white arc. Black arrows on the hour disks now point to the minutes dial-frame located above the hours arc. Finally, the true beat seconds indication is displayed via large dots on the outer ring and read via the central golden hand. The dial plate is now black ADLC treated with *Côtes de Genève* finishing.



Paul Lullin, pocket watch with wandering hours indication, silver, brass and enamel, case signed AH, London, beginning of the 18th century

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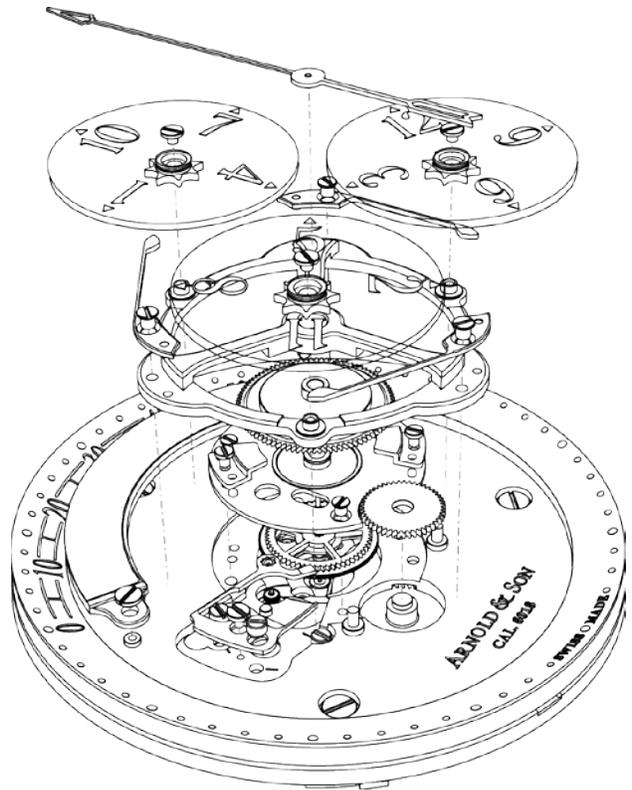
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The wandering hours function, also known as a jumping digital hours indication, occupies the top arc of the watch dial (from 10 o'clock to 2 o'clock). Beneath it, Arnold & Son fills the time-carrousel of the Golden Wheel with a true beat seconds hand from the central axis – adding visual complexity and elegant motion. The true beat seconds (sometimes referred to as dead beat seconds) is a specialty of Arnold & Son. The precision function enables the seconds to beat incrementally as opposed to sweeping along the dial – allowing for more accurate reading.



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Manufacture Arnold & Son A&S6018 calibre, self-winding, silvery and mother-of-pearl dial, 18-karat red gold case, diameter 44 mm
© Arnold & Son



A&S6018

Exploded view of the movement A&S6018 showing the wandering hours and the true beat seconds complication
© Arnold & Son

The superlative technology and watchmaking expertise inherent in this movement is further enhanced by the fact that Arnold & Son has made the mechanism visible from the dial side in spectacular glory. Not only does the brand use three separate transparent sapphire disks (that seem to float above the dial) for the time indication, but also it elevates many of the other movement parts for an incredible three-dimensional allure.



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This creative and visionary spirit transforms the Golden Wheel into a thoroughly modern interpretation of the wandering hours. The manufacture movement was three years in the making from concept to development, and challenged the brand's watchmakers at multiple stages of design and development.

The A&S6018 is a mechanical self-winding movement with 29 jewels and 232 components. It beats at 28,800 vibrations per hour and offers 45 hours of power reserve. In typical Arnold & Son style, the movement is treated in palladium and is meticulously decorated with *Haute Horlogerie* finishing, including hand-chamfered bridges with polished edges, fine circular graining, *Côtes de Genève rayonnantes*, circular satin-finished wheels and blued screws with bevelled and mirror-polished heads. The oscillating weight is skeletonised with brushed surfaces and palladium treated. The magnificent movement is housed in a superb 44 mm 18-karat red gold case. The Golden Wheel is a limited edition of 125 timepieces.



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Main technical characteristics:

Calibre:	A&S6018 Arnold & Son manufacture movement, self-winding, 29 jewels, diameter 37.20 mm, thickness 8.00 mm, power reserve 45 h, 28,800 vibrations/h
Functions:	Jumping digital hours, minutes and true beat seconds
Movement decoration:	Palladium treated with <i>Haute Horlogerie</i> finishing: hand-chamfered bridges with polished edges, fine circular graining and <i>Côtes de Genève rayonnantes</i> , dial plate black ADLC treated with <i>Côtes de Genève</i> , circular satin-finished wheels, blued screws with bevelled and mirror-polished heads. <u>Central time-carrousel</u> : solid 18-karat red gold, satin-finished with hand-chamfered and polished edges. <u>Oscillating weight</u> : palladium treated, skeletonised with brushed surfaces
Dial:	Silvery and white mother-of-pearl
Case:	18-karat red gold, diameter 44 mm, cambered sapphire with anti-reflective coating on both sides, see-through sapphire case back, water-resistant to 30 m
Strap:	Hand-stitched brown or black alligator leather
Limited edition:	125 timepieces
Reference:	1HVAR.M01A.C120A

For **high resolution images** please find here the link:
<http://www.arnoldandson.com/home/news-events/press-corner.aspx>

For more information, please don't hesitate to contact us:

ARNOLD & SON SA
Marketing & Sales
Boulevard des Eplatures 38
CH – 2300 La Chaux-de-Fonds
Switzerland
info@arnoldandson.com
www.arnoldandson.com