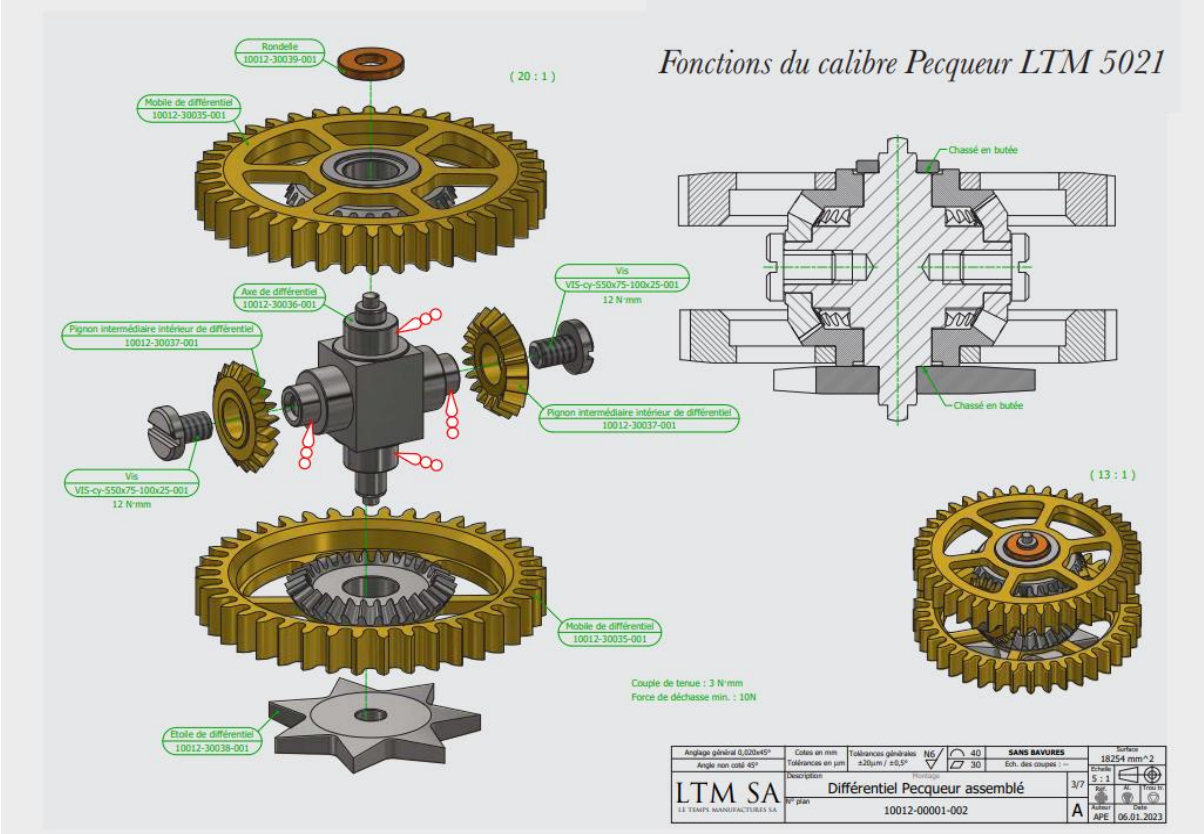
THE PECQUEUR DIFFERENTIAL: DRIVING FRESH BREAKTHROUGHS

At the heart of this GMT mechanism lies the Differential. It transmits energy and information from the movement to the second time zone indications – the GMT zone and hour display, coupled with a day/night indicator – via two input wheels for a single output. The first of these input wheels drives the function, while the second, a star located at the base of the differential, allows for adjustments in one-hour increments. Honouring its inventor's original approach, the Differential of the PECQUEUR LTM 5021 calibre has a tiered rather than a flat construction, marking a departure from traditional watch differentials. This unique architecture, based on angle-return gears, not only offers a visually appealing, layered look with elegant depth effects, it also provides functional advantages such as reduced friction and lower energy consumption.

TECHNICAL COMPLEXITY AND STUNNING EASE OF USE

The impressively functional, patented GMT complication allows the user to make all the adjustments themselves. When initialising the watch, a corrector on the case at 10 o'clock allows the GMT indicator disc to be set relative to the place of residence (home time). By using a push-button at 8 o'clock, the second time zone can then be adjusted, with each press corresponding to an increment of one hour. As the GMT zone indicator disc and the time display are perfectly synchronised, two adjustment options are available, each automatically triggering the other. If the user knows the time at their destination, they can set it directly on the dial at 3 o'clock, while making any necessary adjustments related to daylight saving time if applicable in the relevant country. If, on the other hand, the wearer only knows the GMT zone, they can adjust the disc at 1:30, which will automatically set the destination time. Thanks to the unique design of the Pecqueur Differential, there is no disruption to the operation of the Club Pecqueur Motorists watch as it is being adjusted, unlike traditional GMT complications.



THE DIFFERENTIAL DUAL TIME PECQUEUR LTM 5021: AN EXCLUSIVE CALIBRE

The calibre symbolises a return to horological roots, with a watchmaking complication that revisits the mechanism invented by watchmaker Onésiphore Pecqueur. This invention born nearly two centuries ago, which was instrumental in the evolution of the automobile, now returns to its original essence: fine watchmaking. The PECQUEUR LTM 5021 calibre was entirely designed and developed by Le Temps Manufacture (LTM) in Fleurier, Switzerland, founded in 2008. It introduces a new approach to understanding time zones. Instead of displaying a second 24-hour time zone with a central hand, it simultaneously shows the home and the second time zone on two dials without duplicating the mechanism. And, possibly uniquely in the watchmaking world, it also displays the GMT zone of the second time zone chosen. The main advantage of the Differential is that it does not disrupt the watch's operation during a time zone change, thus enhancing precision. In other words, the heart of the PECQUEUR LTM 5021 calibre continues to beat at a frequency of 28,800 vibrations per hour, or four ticks per second, even while being adjusted. This maintains the balance-spring pair's isochronism throughout the 60-hour power reserve of the movement. The overall harmony of the calibre belies its complexity: it contains 237 components within a thickness of just 7.75 mm and a housing diameter of 37.8 mm (16 ¾ lines). A true marvel.