

BREMONT



CRITICAL TIMES CRITICAL EQUIPMENT

TESTED BEYOND ENDURANCE



NB
Martin-Baker



Live ejection testing and vibration testing equivalent to 30 years of aircraft life

BEST OF BRITISH

Bremont Watch Company and Martin-Baker have collaborated to design and build the ultimate aviation watch. The alliance has produced a unique aviation watch that will embody all that is meant by 'Made in Britain'.

As the pioneer of the ejection seat and supplier to over 70% of the Western world's air forces, Martin-Baker represents the pinnacle of British engineering. The partnership combined Martin-Baker's knowledge of testing, materials and design with Bremont's watch making skills. The aim was to challenge conventional mechanical watch design, by applying standards that truly define 'a matter of life and death'.

An ejection seat may sit unused for 40 years, but the day it is needed it has to work. As a company, their testing facility is unique, and the Bremont MB watches have been through trials found nowhere else. An example is the ability to simulate 30 years of aircraft life through a vibration testing machine and this is the first watch ever to go through a live ejection testing programme.

The movement is assembled at Bremont's atelier in Switzerland, but final assembly of the watches will take place in the UK. The MB1 and MB2 will be Bremont's first 'Made in Britain' wristwatch.

Exclusivity of the first edition of the Bremont MB1 is unparalleled in the watch industry: it will only be available for purchase to those who have ejected a Martin-Baker seat. Martin-Baker seats have saved over 7280 lives to date; each watch will be engraved with the individual's ejection number.

The second edition of the watch, Bremont MB2, will be available for sale alongside the full range of Bremont watches, but – as with all Bremont timepieces – the annual production will be very limited.

BREMONT MB1



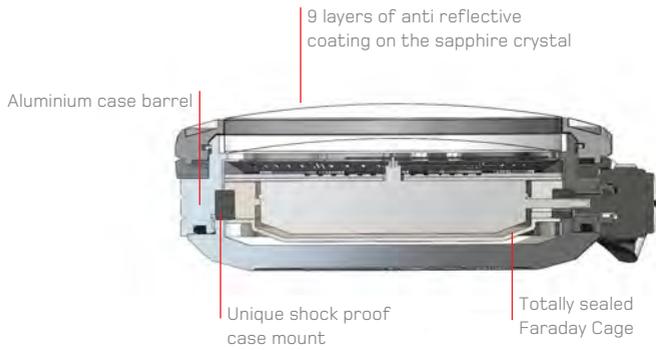
FEATURES

- Swiss Made BE-36A automatic chronometer movement
- Trip-Tick® case design with inner rotating ball click bezel
- Aluminium Trip-Tick® case barrel
- Water resistant 100m
- Anti-magnetic Faraday Cage
- Anti-shock movement mount
- Super-LumiNova®
- Sapphire crystal with 9 layers of anti-reflective coating
- Case diameter 43mm

Can be supplied with a Leather or NATO canvas strap.

BREMONT MB2





TECHNICAL DESIGN

The complete movement and mechanism of the watch has been designed to float in a controlled manner within the Trip-Tick® case. This is achieved by enclosing the movement in an inner case that is connected to the outer case solely by a flexible ring. Shocks to the watch allow the inner case/movement to float and absorb much of the shock energy. In addition the movement uses the finest shock absorbing systems on the regulating organs and a special Bremont shock-absorbing rotor.

The inner case that completely encloses the movement of the Bremont Martin-Baker watch also has the function of an anti-magnetic shield. This case is made from soft iron and works as a 'Faraday Cage' protecting the movement from high magnetic fields. In addition the regulating organs and other vital components of the movement are made from non-magnetic materials. The Bremont Martin-Baker watch is thus immune to extreme magnetic fields.

The dial design of the Bremont Martin-Baker watch will allow great clarity and visibility in all conditions, with latest Super-LumiNova® paint being used and anti-reflective sapphire crystal. A rotating inner bezel is also included in the design and on this watch includes a unique 'ball click' locking system for accurate movement.

All of the above make the Bremont Martin-Baker a unique watch that has been truly 'Tested Beyond Endurance'.



TESTED BEYOND ENDURANCE

THE BREMONT MB1 HAS SUCCESSFULLY ENDURED 12-30G THROUGHOUT THE 1ST SECOND OF EJECTION

1. Catapult Phase 12-15G
2. Rocket Motor 12-15G
3. Drogue Stability 30G (600kt sled test)
4. Parachute Deployment 15G

CONTACT

BREMONT

Bremont Watch Company
PO BOX 4741
Henley-on-Thames
Oxfordshire
RG9 9BZ

Tel +44 (0) 845 0940 690
Email info@bremont.com
Web www.bremont.com

MARTIN-BAKER

Martin-Baker Aircraft Company Ltd.
Higher Denham
Near Uxbridge
Middlesex
UB9 5AJ

Tel +44 (0) 1895 832214
Email information@martin-baker.co.uk
Web www.martin-baker.com

Designed by www.carterwongdesign.com

The following image depicts the processes that occur during a high speed, zero altitude ejection.

