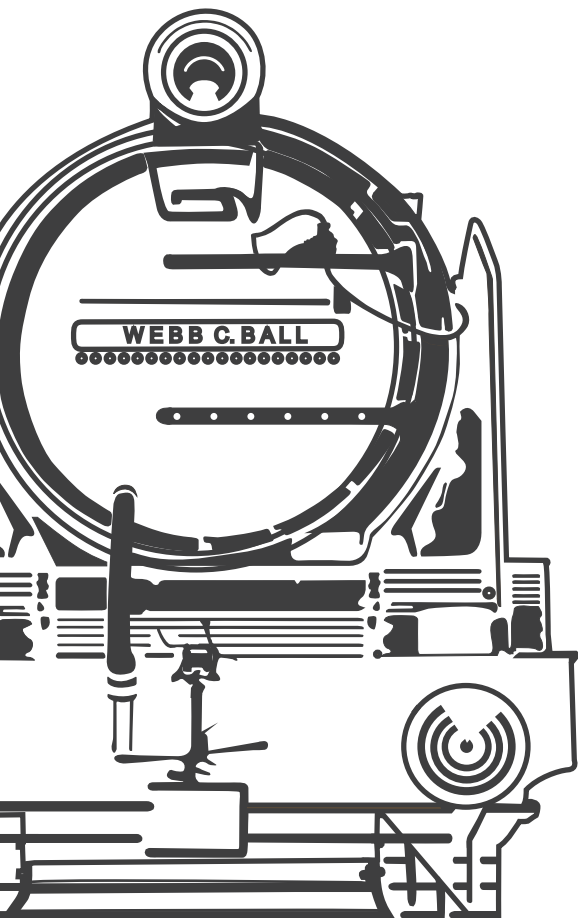


125
YEARS OF
ACCURACY UNDER ADVERSE CONDITIONS



BALL
OFFICIAL  STANDARD
Since 1891
Accuracy under adverse conditions

TIMEPIECE CATALOGUE 2016 / 2017

125
-YEARS OF-
ACCURACY UNDER ADVERSE CONDITIONS

TO BE YOURSELF



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A WATCHMAKING REVOLUTION RISES AMID DISASTER

In 2016, BALL Watch Company proudly celebrated 125 years of accuracy under adverse conditions. Our journey, including our revolutionary innovations, arose from devastating train wreckage in Kipton, Ohio, USA, in 1891. Every BALL timepiece runs on the spirit of the American railroads while incorporating today's premier technology and finest Swiss craftsmanship – all to ensure accuracy under adverse conditions around the world.

125 YEARS OF EXCELLENCE – FOUNDED IN ONLY FOUR MINUTES.

The Great Kipton Train Wreck occurred on April 18, 1891, in Kipton, Ohio, when a fast mail train heading east collided head-on with a passenger train moving west. The conductor of the passenger train failed to stop at the Kipton depot and let the mail train roll by because his watch had stopped functioning for four minutes before restarting.

The Kipton accident is more than a footnote in American railroad history. It is a defining moment that spurred watchmaking and timekeeping revolutions. After the collision, renowned jeweler Webster Clay Ball was appointed to investigate the accident's timekeeping issues. His exploration helped establish railroad watch performance and inspection standards in 1893, as well as Railroad Time. Gradually, the BALL network extended to 75% – about 125,000 miles – of America's railways, while railroad watches became the standard for precise timekeeping.

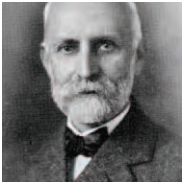
THE GROWING LEGACY OF ACCURACY UNDER ADVERSE CONDITIONS.

At his death, Webb C. Ball had contributed more than any other man in creating the requirements and rate of accuracy of watches for railroad service. His work in crafting the most precise timepieces and instituting an inspection system was imperative and extraordinary. It not only improved railroad operations, it was an essential part of timekeeping's foundation. Today, more than ever, BALL is continuing its journey and asserting its role as a key protagonist in the evolution of watchmaking history.

KEY MOMENTS OF INNOVATION AND EXPLORATION

1842

Webster Clay Ball is born on October 6, in Fredericktown, Ohio.



1894

The "Webb C. Ball Watch Company" is formed to distribute railroad watches.



1962

BALL launches the first Skindiver timepiece amid the growing popularity of deep-sea diving in the US.



1891

On July 18, Webb C. Ball is appointed Chief Time Inspector for Lake Shore & Michigan Southern Railway in the aftermath of the Great Kipton Train Wreck.



1900

For US railroads, Webb C. Ball creates watch standards, inspects more than 54 companies and approves 37 different watches for use.

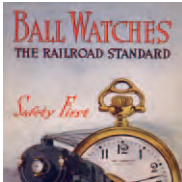


1978

BALL introduces its Trainmaster automatic winding wristwatch using Swiss movements.

1980

BALL Watch Company is acknowledged as the longest-lived seller of railroad-marked watches.



2001

BALL pioneers the world's first micro gas light mechanical watch by launching its Engineer watch series.



2004

The Engineer Hydrocarbon series is released as BALL's most sophisticated and rugged collection of timepieces.

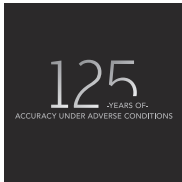


2010

Captain Alan Poindexter wears his Engineer Hydrocarbon Spacemaster aboard the US Space Shuttle Discovery during its trip to the International Space Station.

2013

The SpringLOCK®, a revolutionary patented shock-protection system of the balance-spring, is introduced.



2016

BALL celebrates its 125th anniversary of accuracy under adverse conditions.



SUN 23

BALL
HIGH STAIN

AUTOMATIC
100M / 330FT

SWISS
MADE

REVOLUTIONARY MICRO GAS LIGHTS

Every BALL watch is built with the industry's leading luminescent technology: self-powered micro gas tubes containing tritium gas (H_3). Source of remarkable luminosity, this innovative Swiss technology safely seals pure tritium gas in a hollow mineral glass tube. The lightweight tubes are efficiently produced by means of a CO_2 laser and their interior walls are coated with luminescent material that gives off cold light when activated by the electrons emitted by the tritium. No matter when and where, a BALL watch provides quick, easy and safe time reading.



NO RISK TO HEALTH

The wearer of a complete and intact BALL watch is not exposed to any irradiation.



SELF-POWERED

The micro gas tubes do not require recharging from the sun or any external source of light.



NO BATTERY

The micro gas lights do not drain batteries and keep the watch fully mechanical.



100 TIMES BRIGHTER

The technology produces light that is up to 100 times brighter than luminous paints commonly used in the watch industry.



25 YEARS LIFETIME

The micro gas lights provide superior brightness that easily lasts for 25 years.



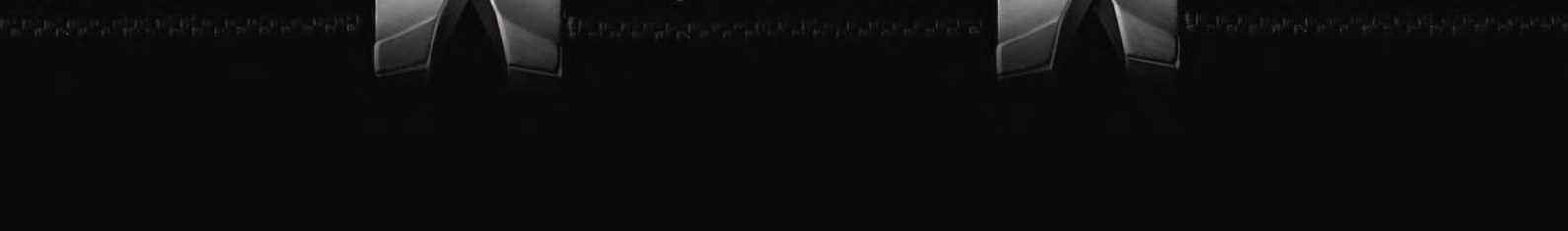
COLOR & DESIGN

The color variations within the internal coating of the micro tubes allow for an infinite palette of light colors to create various numbers or shapes.

ALL WATCH CO.
SWISS MADE
OFFICIAL RR STANDARD
SWISS MADE 24 JEWELS
RINGLOCK & A-PROOF
illumination
NM3022C
0000004

ALL WATCH CO.
SWISS MADE
OFFICIAL RR STANDARD
SWISS MADE 24 JEWELS
RINGLOCK & A-PROOF
illumination
NM3022C
0000004

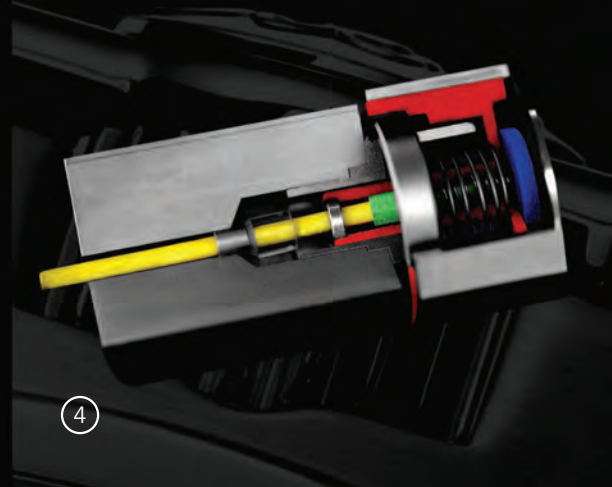
ALL WATCH CO.
RINGLOCK & A-PROOF
illumination
NM3022C



THE TECHNOLOGY

PATENTED INNOVATIONS IN EVERY TIMEPIECE

The patented, one-of-a-kind technology that powers and protects every BALL watch is designed, tested and built to meet not only the most stringent demands of watchmaking, but also of every wearer. From revolutionary micro gas lights for incredible luminosity to powerful anti-shock protection systems, BALL watches are ready for any environment.



Engineer Hydrocarbon NEDU

① SHOCK RESISTANCE

Every BALL watch undergoes rigorous testing to verify shock resistance up to 5,000Gs – and up to 7,500Gs for the Engineer Hydrocarbon collection. The crown, the glass, and the 9 o'clock position on the case are hit with a pendulum impact-testing machine to ensure impeccable performance according to ISO 1413, but also BALL's stringent standards.

② ANTI-MAGNETISM

Most BALL watches boast a superb anti-magnetic case constructed with corrosion-resistant ferritic stainless steel materials. Inside, a soft iron inner jacket protects the inner workings of the watch and prevents magnetic fields from penetrating the movement and decreasing its accuracy.

③ WATER RESISTANCE

A watch's level of water resistance is determined by the craftsmanship of the case back, the winding crown and the gaskets. During testing, every watch is completely immersed in distilled water containing a wetting agent of 1% by weight and under the prescribed atmospheric pressure for at least five minutes.

④ PATENTED HELIUM SYSTEM

The automatic helium release valve allows gas molecules to escape as the watch resurfaces from underwater depths. It is incorporated directly into the crown of the Engineer Hydrocarbon NEDU. This exclusive BALL innovation eradicates a potential surface liable to warp under the crushing effects of water pressure, thereby improving the timepiece's water resistance even further.



Engineer Hydrocarbon Hunley

① LUMINOUS CERAMIC BEZEL

BALL's pioneering process allows luminescent paint to be added to a ceramic bezel. In this way, both the numbers and the graduation of the bezel are luminescent, allowing them to be instantly read in the dark. The ceramic also renders the bezel extraordinarily resistant to corrosion, scratches and UV rays.

② CROWN PROTECTION SYSTEM

Directly connected to the heart of the mechanical movement, the crown is among the most at-risk parts of a watch. Every timepiece of the Engineer Hydrocarbon collection features a patented crown protection system, guaranteeing superior water and shock resistance. A protective plate is placed around the crown, which also ensures the crown must be screwed-in after every time adjustment.

③ AMORTISER® ANTI-SHOCK SYSTEM

The Amortiser® anti-shock system protects the mechanical movement against external shocks. This patented innovation consists of a protective, anti-magnetic ring that runs around the mechanical movement and absorbs the energy created by side shocks. A switch on the case back enables the rotor to be locked and unlocked as desired. This prevents the impact energy from being transmitted to the movement, while the watch continues to run by drawing on its power reserve.

④ PATENTED FOLDING BUCKLE

BALL's patented triple folding buckle with an extension system creates ultimate comfort for the wearer, even when worn with sporting equipment. Machined from a unique block of stainless steel, it offers extreme resistance to the elements and long-lasting quality. Perfectly balanced, the folding elements of the buckle can be opened with one hand while the mechanical lock can resist powerful traction forces.



①

②



Engineer II Magneto S

① A-PROOF® ANTI-MAGNETIC SYSTEM

The patented A-PROOF® device protects the mechanical movement against magnetic fields up to an incredible intensity of 80,000A/m. A magnetic trench box inside the watch's case is made of mu-metal – an alloy of nickel, iron, copper and molybdenum – which enables the system to attract and deviate magnetic field lines. On the case back, a diaphragm mechanism with a 0.06mm thickness expands and retracts by circular motion of the bezel to lock or unlock the anti-magnetic protection cage. This mechanism reveals the movement at work through the transparent case back.

② SPRINGLOCK® ANTI-SHOCK SYSTEM

The balance-spring is the key watch regulating organ and one of the most fragile parts of a mechanical caliber. The SpringLOCK® anti-shock system improves the protection of the caliber's accuracy by reducing the balance-spring's shock impact by 66%, in comparison to the Swiss certification standards of mechanical movements. A cage limits the unfurling of the coils in case of any external impacts, prevents the deformation of the shape of the balance-spring itself and decreases the risk of breakage to the link between the balance-spring and the balance.



Engineer II Volcano

REVOLUTIONARY MU-METAL AND CARBON COMPOSITE CASE

The links between volcanoes and magnetic fields inevitably led BALL Watch Company to create enhanced anti-magnetic protection for mechanical timepieces. The case of the Engineer II Volcano is comprised of superimposed layers of carbon and mu-metal, a patented composite material. The case displays a textured carbon appearance reminiscent of volcanic rock.

Carbon material provides excellent resistance to scratches and impacts, and only weighs about 50% as much as the steel customarily used for watch cases, a significant gain of lightness on the wrist.

Mu-metal is an alloy of nickel, iron, copper and molybdenum with very high magnetic permeability, which gives anti-magnetic properties far superior to the soft iron usually employed in watchmaking. The revolutionary structure of the mu-metal and carbon composite case allows for an extremely high protection against magnetic fields, which the wearer is often exposed to in everyday life.



BALL

OFFICIAL  STANDARD
Since 1891

SUN

CHRONOMETER
AUTOMATIC

28

T25

SWISS

MADE

MASTERFUL TIMEPIECES FOR EVERY EXPLORATION

Every BALL watch is built from first-rate materials with meticulous craftsmanship to function flawlessly in adverse conditions. While the designs take inspiration from history, the technological innovations constantly rewrite the rules of watchmaking. Each collection offers a unique personality, from distinct styles to exceptional utility, suitable for any lifestyle. Timepieces are diverse in appearance and utility, yet solitary in mission. The various BALL collections have been named to honour the legendary railroad men of history, such as the Engineer, Trainmaster, Conductor and Fireman.



PAUL ZIZKA *Award-winning landscape and adventure photographer*

ENGINEER HYDROCARBON

The Engineer Hydrocarbon collection is the ultimate personification of BALL's identity. The high performance of locomotive engineers inspired the creation of this series – BALL's most sophisticated and rugged watch collection. It is truly the ultimate explorer's watch, destined to find itself on the wrist of the greatest adventurers of the modern world.

The Engineer Hydrocarbon collection offers unrivalled innovation, impenetrable robustness and ergonomic design. This series boasts unrivalled features for ultimate shock protection, as well as water and magnetic resistance. The pioneering and patented innovations of this collection also include the triple folding buckle and extension system for bracelets, the unique crown protection, the exclusive Amortiser® system for unmatched anti-shock protection, a pure ceramic bezel coated with powerful luminous paint and a patented helium release valve incorporated into the crown. Every Engineer Hydrocarbon is equipped with revolutionary micro gas tubes for luminosity in the darkest of conditions.

ENGINEER HYDROCARBON AeroGMT



DG2016A-SC-BK



DG2016A-PC-BK



ENGINEER HYDROCARBON

Airborne



RUBBER STRAP INCLUDED



DM2076C-S1CAJ-BK



ENGINEER HYDROCARBON

Black



DM2176A-P1CAJ-BK



ENGINEER HYDROCARBON Ceramic XV



DM2136A-PCJ-BK



DM2136A-SCJ-BK





ENGINEER HYDROCARBON DeepQUEST



DM3000A-SCJ-BK



DM3000A-PCJ-SL



ENGINEER HYDROCARBON

Hunley

Limited edition of 500 pieces



PM2096B-S2J-BK



PM2096B-S1J-BK



ENGINEER HYDROCARBON NEDU



DC3026A-SC-BK



DC3026A-PC-BK



ENGINEER HYDROCARBON Spacemaster Orbital II



DC3036C-SA-BK





GUILLAUME NÉRY *World record breaker in free diving*

ENGINEER MASTER II

The Engineer Master II collection pays homage to the paramount role of engineers in train travel with a variety of robust, aesthetic and precise timepieces. The collection includes several diving watches that comply with the many requirements imposed by deep-sea diving. Superb innovations include an internal rotating bezel fitted with luminous micro gas tubes and used to count down dive time using an extremely precise notch system. Intelligent timepieces for globetrotting explorers, the exclusive worldtimer watches combine day/date function with the simultaneous indication of the time in 24 different time zones. With the Engineer Master II collection, BALL has confirmed its undeniable place among diving-watch designers. The Engineer Master II watches can be worn by the most audacious divers and sportsmen safe in the knowledge of its robustness even in the most adverse conditions.

ENGINEER MASTER II

Aviator



NM1080C-L3-BK



NM1080C-L5J-GY



ENGINEER MASTER II

Aviator Dual Time



GM2086C-S1-BK



GM2086C-L1-BK



ENGINEER MASTER II

Diver



DM2020A-SA-BKGR



DM2020A-PA-BKWH



ENGINEER MASTER II

Diver



DM3020A-PAJ-BK



DM3020A-SAJ-BK





ENGINEER MASTER II Diver Worldtime



DG2022A-S3A-BK



DG2022A-P3A-BK



ENGINEER MASTER II Pilot GMT



GM3090C-LLAJ-BK



GM3090C-SAJ-BK





ENGINEER MASTER II Skindiver II



DM3108A-SCJ-BK



RUBBER STRAP INCLUDED



ENGINEER MASTER II

Slide Chronograph



CM3888D-P1J-BK



CM3888D-S1J-BK





HERVÉ BARMASSE *Mountaineer and outdoors explorer*

THE COLLECTIONS

ENGINEER II

The Engineer II collection features classic designs, yet unique character. Every timepiece is equipped with unparalleled technical capabilities that guarantee exceptional performance in any environment. The timeless designs and natural elegance personify the most remarkable technical exploits in a completely understated manner. This collection is perhaps the common denominator of all BALL watches – perfectly integrating the spirit of adventure, supreme accuracy and engaging aesthetics.



ENGINEER II

Genesis

BALL 125th anniversary commemorative timepiece



NM2026C-S7-BK



NM2026C-LBK7-BE



ENGINEER II Green Berets



NM2028C-L4CJ-BK



ENGINEER II Magneto S



NM3022C-N1CJ-BK



ENGINEER II Marvelight



NM2026C-S6-SL



NM2026C-S6-BK





ENGINEER II

PowerLIGHT 72

Automatic chronometer caliber with 72 hour power reserve



NM2126C-SCJ-BK



ENGINEER II Volcano



CANVAS STRAP INCLUDED



NM3060C-PCJ-GY





BRIAN BINNIE Spacecraft altitude record holder

THE COLLECTIONS

ENGINEER III

The Engineer III collection introduces a new generation of pilot watches built to withstand extreme shock and provide unmatched luminosity. Its timepieces are equipped with BALL's patented SpringLOCK® and Amortiser® systems to reduce shock impact, a mu-metal shield that ensures anti-magnetic protection to 80,000A/m and legendary micro gas lights. With the Engineer III collection, the pilot watch has been reimagined for today's modern explorer.

This series features the first BALL timepiece to be available in bronze. BALL uses the finest bronze, comprised of a copper-aluminum alloy that delivers incredible impact strength and corrosion resistance. Its patina and shine are guaranteed to age beautifully based on the wearer's experiences – giving every watch will have its own story to tell.

ENGINEER III
Bronze Star



NM2186C-L1J-BK



ENGINEER III
Silver Star



NM2180C-S2J-BE



NM2180C-L2J-BK





DANNY THOMPSON Race car driver and world record holder

THE COLLECTIONS

TRAINMASTER

The Trainmaster collection celebrates the burgeoning and epic era of American railroads, when BALL quickly became synonymous with utmost precision, quality and reliability. The collection echoes the first BALL timepieces stamped with "BALL's Standard" that delivered extreme accuracy and ensured train safety. The Trainmaster timepieces represent an inspired reinterpretation of the BALL Watch Company's heritage, imbued with the timeless attributes of elegance, simplicity and accuracy.

TRAINMASTER

Cannonball



CM1052D-L3J-WH



CM1052D-S3J-BK



TRAINMASTER Cleveland Express



NM1058D-SCJ-BE



NM1058D-LCJ-SL



TRAINMASTER

Eternity



NM2080D-LJ-SL



NM2080D-SJ-BK



TRAINMASTER Eternity Ladies



NL2080D-SJ-BK



NL2080D-LJ-SL





TRAINMASTER
Flying Scotsman
Limited edition of 149 pieces



NM2198D-PG-LCJ-WH



TRAINMASTER
125 Years Anniversary
Limited edition of 125 pieces



NM3038D-LL3J-WH



TRAINMASTER

Kelvin

Limited edition of 600 pieces



NT3888D-PG-LLCJ-GYF



NT3888D-PG-LLCJ-SLC



TRAINMASTER
Kelvin



NT3888D-S1J-SLC



NT3888D-LL1J-GYF



TRAINMASTER

Moon Phase



NM3082D-LLJ-SL



NM3082D-SJ-BK



TRAINMASTER Moon Phase Ladies



NL3082D-SJ-BE



NL3082D-LLJ-WH



TRAINMASTER

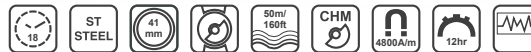
Pulsemeter Chronometer



CM1010D-LCJ-SL



CM1010D-SCJ-BK



TRAINMASTER Roman



NM1058D-S4J-GY



NM1058D-L4J-WH



TRAINMASTER

Standard Time



NM3888D-PG-LCJ-WH



TRAINMASTER Standard Time



NM3888D-S1CJ-WH



NM3888D-LL1CJ-WH



TRAINMASTER Worldtime



GM2020D-LL1CJ-SL



GM2020D-S1CJ-BK



TRAINMASTER Worldtime Chronograph



CM2052D-S1J-BKRD



CM2052D-LL1J-SLBE





ANTHONY POWELL Award-winning filmmaker of "Antarctica: A Year on Ice"

CONDUCTOR

The Conductor collection combines the vintage lines of BALL's first watches with the aesthetic codes and technical performance of contemporary watchmaking. The retro characteristics of the Conductor timepieces are found instinctively in their tonneau-shaped case, harkening back to the first wristwatch designed by Webb C. Ball in the 1920s. Today's watches feature a remarkable anti-reflective sapphire crystal that give each one its convex form. The transparent case back, also fitted with a curved sapphire crystal, sits perfectly on the wrist. It is these elements that instill the Conductor collection with its strong identity.

CONDUCTOR

Transcendent



NM2068D-SAJ-BK



NM2068D-LAJ-WH



CONDUCTOR

Vanderbilt Chronograph



CM2068D-LJ-BK



CONDUCTOR

Transcendent Pearl



NL1068D-L3AJ-WH



NL1068D-S3AJ-PK



CONDUCTOR

Transcendent Pearl Diamond



NL1068D-S3J-PK



NL1068D-L3J-WH





OWEN GARRIOTT NASA astronaut on Skylab II mission

THE COLLECTIONS

FIREMAN

The Fireman collection is equal parts ruggedness and sophistication, durability and precision. The broad collection features practicality inherited from the railroads in every timepiece. The most elaborated models feature a telemeter, tachymeter and chronograph, respectively, for today's demanding jobs and adventures. Other models opt for simplicity and represent an intelligent evolution of the timepieces that would have been carried by firemen hard at work on the railways more than 100 years ago.

FIREMAN Enterprise



NM2188C-S5-BK



NM2188C-S5-WH



FIREMAN
NECC



DM3090A-SJ-SL



DM3090A-SJ-BK



FIREMAN
Night Train DLC



NM2092C-P-BK



FIREMAN
Racer



NM2088C-P2J-WHBE



NM2088C-S2J-BKRD





FIREMAN Racer Classic



NM2288C-SJ-GY



NM2288C-LJ-SL



FIREMAN
Racer DLC



NM3098C-L1J-GYOR



NM3098C-P1J-BK



FIREMAN

Storm Chaser DLC Glow

Limited edition of 1,999 pieces



CM2192C-P2-BK



CM2192C-P2-SL



FIREMAN Storm Chaser Pro



CM3090C-L1J-WH



CM3090C-S1J-BK



FIREMAN Victory



NM2098C-S3J-BK



NM2098C-P3J-SL



FIREMAN Victory Ladies



NL2098C-L3J-SL



NL2098C-S3J-BK











COMPREHENSIVE CHARTS OF THE RANGE

The technological features and patented innovations of every BALL watch vary by collection and respective timepiece. The following pages present a detailed overview of BALL watches in order to provide straightforward information, as well as a simple way of comparing models. It is a handy reference for selecting the timepiece that meets the requirements for every wearer.

ENGINEER HYDROCARBON



Model	Name	AeroGMT	Airborne	Black	Ceramic XV
	Reference	DG2016A-C	DM2076C-1CAJ	DM2176A-1CAJ	DM2136A-CJ
Case	Catalogue page	24	25	26	27
	Limited edition	-	-	-	-
	Material	Stainless steel	Stainless steel	Titanium with DLC coating	Stainless steel
	Bezel	Luminous sapphire	Luminous ceramic	Luminous ceramic	Luminous ceramic
	Mu-metal shield	Bidirectional rotating	Unidirectional rotating	Unidirectional rotating	Unidirectional rotating
	Diameter/Size	-	-	-	-
	Height	42mm	42mm	42mm	42mm
	Screwed-in crown	13.85mm	13.85mm	13.25mm	13.25mm
	Patented crown protection	✓	✓	✓	✓
	Sapphire crystal case back	✓	✓	✓	✓
Movement	Shock resistance	-	-	-	-
	Water resistance	7,500Gs	5,000Gs	5,000Gs	5,000Gs
		300m/1,000ft	120m/390ft	300m/1,000ft	300m/1,000ft
	Caliber	BALL RR1201-C	BALL RR1102-CSL	BALL RR1101-CSL	BALL RR1101-C
	Winding	Automatic	Automatic	Automatic	Automatic
	Chronometer	✓	✓	✓	✓
	Anti-magnetism	4,800A/m	4,800A/m	4,800A/m	4,800A/m
	SpringLOCK®	-	✓	✓	-
	Micro gas tubes	43	31	35	31
	Functions	Basic Indications	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds
Date		Date	Day and date	Magnified date	Date
Amortiser® anti-shock system		-	-	-	-
A-PROOF® anti-magnetic system		-	-	-	-
Chronograph		-	-	-	-
Helium release valve		-	-	-	-
Moon phase indication		-	-	-	-
Power reserve indication		-	-	-	-
Pulsemeter		-	-	-	-
Second time zone		✓	-	-	-
Band	Tachymeter	-	-	-	-
	Telemeter	-	-	-	-
	TMT thermometric indication	-	-	-	-
	Worldtime display	-	-	-	-
	Material	Stainless steel bracelet	Stainless steel bracelet	Rubber strap	Stainless steel bracelet
	Rubber strap	Rubber strap	Rubber strap included	Rubber strap	Rubber strap
Dial	Color(s)/Options	Black	Black	Black	Black
					Silver







ENGINEER HYDROCARBON			ENGINEER MASTER II		
					
Hunley PM2096B-1J/2J 29 500 pieces	NEDU DC3026A-C 30 -	Spacemaster Orbital II DC3036C-A 31 -	Aviator NM1080C-3/-5J 34 -	Aviator Dual Time GM2086C-1 35 -	Diver DM2020A-A 36 -
Stainless steel Luminous black or blue ceramic Unidirectional rotating - 42mm 17.3mm ✓ ✓ - 7,500Gs 200m/650ft	Titanium Luminous ceramic Unidirectional rotating - 42mm 17.3mm ✓ ✓ - 7,500Gs 600m/2,000ft	Titanium Luminous Bidirectional rotating - 45mm 18.3mm ✓ ✓ - 7,500Gs 100m/330ft	Stainless steel - 46mm 13.3mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 44mm 13.3mm ✓ - - 5,000Gs 100m/330ft	Stainless steel Luminous Unidirectional rotating - 42mm 13.3mm ✓ - - 5,000Gs 300m/1,000ft
BALL RR1702 Automatic - 4,800A/m -	BALL RR1402-C Automatic ✓ 4,800A/m -	BALL RR1404 Automatic - 4,800A/m -	BALL RR1102 Automatic - 4,800A/m -	BALL RR1301 Automatic - 4,800A/m -	BALL RR1102 Automatic - 4,800A/m -
30 Hours, minutes, sweep seconds Date ✓ - - - - ✓ - - - - - -	21 Hours, minutes, subsidiary seconds Day and date - - ✓ ✓ - - - - - - -	39 Hours, minutes, subsidiary seconds Magnified date ✓ - ✓ - - - - - ✓ - - -	15 Hours, minutes, sweep seconds Day and date - - - - - - - - - - - -	75 Hours, minutes, sweep seconds Date - - - - - - - - - - ✓ - - -	52 Hours, minutes, sweep seconds Day and date - - - - - - - - - - - - - -
Stainless steel bracelet	Titanium & stainless steel bracelet Rubber strap	Titanium & stainless steel bracelet	Stainless steel bracelet Calf leather strap	Stainless steel bracelet Calf leather strap	Stainless steel bracelet Rubber strap
Black	Black	Black	Black Grey	Black	Black Green or white index and bezel






ENGINEER MASTER II



Model	Name	Diver	Diver Worldtime	Pilot GMT	Skindiver II	Slide Chronograph
	Reference	DM3020A-AJ	DG2022A-3A	GM3090C-AJ	DM3108A-CJ	CM3888D-1J
Case	Catalogue page	37	38	39	40	41
	Limited edition	-	-	-	-	-
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Bezel	Luminous	Luminous	Luminous aluminum	Luminous ceramic	-
	Mu-metal shield	Unidirectional rotating	Bidirectional rotating	Bidirectional rotating	Unidirectional rotating	-
	Diameter/Size	-	-	-	-	-
	Height	42mm	45mm	43.5mm	43mm	47.6mm
	Screwed-in crown	14.55mm	15.4mm	11.9mm	14mm	15.5mm
	Patented crown protection	✓	✓	✓	✓	✓
	Sapphire crystal case back	-	-	-	-	-
Movement	Shock resistance	-	-	✓	-	-
	Water resistance	-	-	✓	-	-
Functions	Caliber	5,000Gs	5,000Gs	5,000Gs	5,000Gs	5,000Gs
	Winding	300m/1,000ft	300m/1,000ft	100m/330ft	500m/1,650ft	50m/160ft
	Chronometer	BALL RR1102	BALL RR1501	BALL RR1201	BALL RR1103-C	BALL RR1402
	Anti-magnetism	Automatic	Automatic	Automatic	Automatic	Automatic
	SpringLOCK®	-	-	-	✓	-
	Micro gas tubes	-	-	-	4,800A/m	4,800A/m
Band	Basic Indications	-	-	-	-	-
	Amortiser® anti-shock system	52	31	28	15	15
	A-PROOF® anti-magnetic system	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds	Hours, minutes, subsidiary seconds
	Chronograph	Day and date	Day and date	Date	Date	Day and date
	Helium release valve	-	-	-	-	-
	Moon phase indication	-	-	-	-	-
	Power reserve indication	-	-	-	✓	-
	Pulsemeter	-	-	-	-	-
	Second time zone	-	-	✓	-	-
	Tachymeter	-	-	-	-	-
	Telemeter	-	-	-	-	✓
	TMT thermometric indication	-	-	-	-	-
	Worldtime display	-	✓	-	-	-
	Dial	Material	Stainless steel bracelet	Stainless steel bracelet	Stainless steel bracelet	Stainless steel bracelet
Color(s)/Options		Rubber strap	Rubber strap	Crocodile leather strap	Rubber strap included	Rubber strap

ENGINEER II







					
Genesis NM2026C-7 44 -	Green Berets NM2028C-4CJ 45 -	Magneto S NM3022C-1CJ 46 -	Marvelight NM2026C-6 47 -	PowerLIGHT 72 NM2126C-CJ 48 -	Volcano NM3060C-CJ 49 -
Stainless steel - 40 or 43mm 13.55mm ✓ - - 5,000Gs 100m/330ft	Titanium Carbide - 43mm 12.35mm ✓ - - 5,000Gs 100m/330ft	Stainless steel A-PROOF® rotating system ✓ 42mm 12.9mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 40mm 13.15mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 40mm 11.15mm ✓ - - 5,000Gs 100m/330ft	Mu-metal & Carbon composite - 45mm 12.4mm ✓ - - 5,000Gs 100m/330ft
BALL RR1102 Automatic - 4,800A/m -	BALL RR1103-C Automatic ✓ 4,800A/m -	BALL RR1103-CSL Automatic ✓ 80,000A/m ✓	BALL RR1103 Automatic - 4,800A/m -	BALL RR1107-C Automatic ✓ 4,800A/m -	BALL RR1102-C Automatic ✓ 80,000A/m -
28 Hours, minutes, sweep seconds Day and date - - - - - - - - - - -	15 Hours, minutes, sweep seconds Magnified date - - - - - - - - - - -	15 Hours, minutes, sweep seconds Date - - ✓ - - - - - - - -	14 Hours, minutes, sweep seconds Magnified date - - - - - - - - - - -	27 Hours, minutes, sweep seconds Magnified date - - - - - - - - - - -	15 Hours, minutes, sweep seconds Day and date - - - - - - - - - - -
Stainless steel bracelet Calf leather strap	Nubuck leather strap	Cordura fabrics strap	Stainless steel bracelet	Stainless steel bracelet	Rubber strap Canvas strap included
Black Blue	Black	Black	Black Grey Blue Silver	Black	Grey

		ENGINEER III		TRAINMASTER		
						
Model	Name	Bronze Star	Silver Star	Cannonball	Cleveland Express	Eternity
	Reference	NM2186C-1J	NM2180C-2J	CM1052D-3J	NM1058D-CJ	NM2080D-J
	Catalogue page	52	53	56	57	58
	Limited edition	3,000 pieces	-	-	-	-
Case	Material	Bronze	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Bezel					
	Mu-metal shield	✓	✓	-	-	-
	Diameter/Size	43mm	40mm or 46mm	43mm	41mm	39.5mm
	Height	13.45mm	13.45mm or 13.55mm	14.8mm	12.5mm	11.8mm
	Screwed-in crown	✓	✓	✓	✓	✓
	Patented crown protection	-	-	-	-	-
	Sapphire crystal case back	-	-	✓	✓	✓
	Shock resistance	5,000Gs	5,000Gs	5,000Gs	5,000Gs	5,000Gs
	Water resistance	100m/330ft	100m/330ft	50m/160ft	50m/160ft	30m/100ft
Movement	Caliber	BALL RR1102	BALL RR1102	BALL RR1401	BALL RR1102-C	BALL RR1102
	Winding	Automatic	Automatic	Automatic	Automatic	Automatic
	Chronometer	-	-	-	✓	-
	Anti-magnetism	80,000A/m	80,000A/m	-	4,800A/m	-
	SpringLOCK®	✓	✓	✓	-	-
Functions	Micro gas tubes	14	14	14	15	14
	Basic Indications	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds	Hours, minutes, subsidiary seconds	Hours, minutes, sweep seconds	Hours, minutes, sweep seconds
	Day and date	Day and date	Day and date	Date	Day and date	Day and date
	Amortiser® anti-shock system	✓	✓	-	-	-
	A-PROOF® anti-magnetic system	-	-	-	-	-
	Chronograph	-	-	✓	-	-
	Helium release valve	-	-	-	-	-
	Moon phase indication	-	-	-	-	-
	Power reserve indication	-	-	-	-	-
	Pulsemeter	-	-	-	-	-
	Second time zone	-	-	-	-	-
	Tachymeter	-	-	-	-	-
	Telemeter	-	-	-	-	-
	TMT thermometric indication	-	-	-	-	-
	Worldtime display	-	-	-	-	-
Band	Material	Calf leather strap	Stainless steel bracelet Calf leather strap	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap
	Color(s)/Options	Black Naval Aviator or USAF Insignia	Black Blue Naval Aviator or USAF Insignia	Black Grey White enamel	Blue Silver Silver with rose gold index	Black Blue Silver
Dial						

TRAINMASTER



Model	Name Reference Catalogue page Limited edition	Moon Phase Ladies NL3082D-J 65 -	Pulsemeter Chronometer CM1010D-CJ 66 -	Roman NM1058D-4J 67 -	Standard Time NM3888D-PG-CJ 68 -	Standard Time NM3888D-1CJ 69 -
Case	Material Bezel Mu-metal shield Diameter/Size Height Screwed-in crown Patented crown protection Sapphire crystal case back Shock resistance Water resistance	Stainless steel - 34mm 12.05mm ✓ - ✓ 5,000Gs 50m/160ft	Stainless steel - 41mm 14.4mm ✓ - ✓ 5,000Gs 50m/160ft	Stainless steel - 41mm 12.55mm ✓ - ✓ 5,000Gs 50m/160ft	18k/750 rose gold - 39.5mm 10.5mm - - ✓ 5,000Gs 30m/100ft	Stainless steel - 39.5mm 11.15mm - - ✓ 5,000Gs 30m/100ft
Movement	Caliber Winding Chronometer Anti-magnetism SpringLOCK®	BALL RR1801 Automatic - - -	BALL RR1402-C Automatic ✓ 4,800A/m -	BALL RR1102 Automatic - - -	BALL RR1105-C Automatic ✓ 4,800A/m -	BALL RR1105-C Automatic ✓ 4,800A/m -
Functions	Micro gas tubes Basic Indications Date Amortiser® anti-shock system A-PROOF® anti-magnetic system Chronograph Helium release valve Moon phase indication Power reserve indication Pulsemeter Second time zone Tachymeter Telemeter TMT thermometric indication Worldtime display	26 Hours, minutes, sweep seconds Date - - - - ✓ - - - - - - - - -	18 Hours, minutes, subsidiary seconds Day and date - - ✓ - - - ✓ - - - - - - -	15 Hours, minutes, sweep seconds Day and date - - - - - - - - - - - - - -	14 Hours, minutes, subsidiary seconds Date - - - - - - - - - - - - - -	14 Hours, minutes, subsidiary seconds Date - - - - - - - - - - - - - -
Band	Material	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Crocodile leather strap	Stainless steel bracelet Crocodile leather strap
Dial	Color(s)/Options	Blue White	Black Silver	Grey White	White enamel	White enamel

TRAINMASTER		CONDUCTOR			
					
Worldtime GM2020D-1CJ 70 -	Worldtime Chronograph CM2052D-1J 71 -	Transcendent NM2068D-AJ 74 -	Vanderbilt Chronograph CM2068D-J 75 -	Transcendent Pearl NL1068D-3AJ 76 -	Transcendent Pearl Diamond NL1068D-3J 77 -
Stainless steel - 41mm 12.5mm ✓ ✓ 5,000Gs 50m/160ft	Stainless steel - 42mm 13.7mm ✓ ✓ 5,000Gs 50m/160ft	Stainless steel - 37.5 x 47.5mm 10.4mm ✓ ✓ 5,000Gs 50m/160ft	Stainless steel - 38.5 x 51mm 16.8mm ✓ ✓ 5,000Gs 50m/160ft	Stainless steel - 28.5 x 38mm 11.8mm ✓ ✓ 5,000Gs 50m/160ft	Stainless steel - 28.5 x 38mm 11.8mm ✓ ✓ 5,000Gs 50m/160ft
BALL RR1501-C Automatic ✓ 4,800A/m -	BALL RR1502 Automatic - -	BALL RR1101 Automatic - -	BALL RR1401 Automatic - -	BALL RR1104 Automatic - -	BALL RR1104 Automatic - -
13 Hours, minutes, sweep seconds Day and date - - - - - - - - - - ✓	15 Hours, minutes, subsidiary seconds Day and date - - ✓ - - - - - - - ✓	30 Hours, minutes, sweep seconds Date - - - - - - - - - - - -	14 Hours, minutes, subsidiary seconds Date - - ✓ - - - - - - - - -	23 Hours, minutes, sweep seconds Date - - - - - - - - - - - -	6 Hours, minutes, sweep seconds Date - - - - - - - - - - - -
Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Crocodile leather strap	Stainless steel bracelet Crocodile leather strap	Stainless steel bracelet Crocodile leather strap
Black Silver	Black with red/white 24-hour disk Silver with blue/white 24-hour disk Silver with red/white 24-hour disk	Black White	Black	Pink White	Grey with eight diamonds Pink with eight diamonds White with eight diamonds

FIREMAN



		Enterprise DM2188C-5	NECC DM3090A-J	Night Train DLC NM2092C	Racer NM2088C-2J	Racer Classic NM2288C-J
Model	Name Reference Catalogue page Limited edition	Enterprise DM2188C-5 80 -	NECC DM3090A-J 81 -	Night Train DLC NM2092C 82 -	Racer NM2088C-2J 83 -	Racer Classic NM2288C-J 84 -
Case	Material Bezel Mu-metal shield Diameter/Size Height Screwed-in crown Patented crown protection Sapphire crystal case back Shock resistance Water resistance	Stainless steel - 40mm 11.3mm ✓ - - 5,000Gs 100m/330ft	Stainless steel Stainless steel carbide Unidirectional rotating - 42mm 13.2mm ✓ - ✓ 5,000Gs 300m/1,000ft	Stainless steel with DLC coating - 45mm 11.65mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 40mm 11.4mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 42mm 11.5mm ✓ - - 5,000Gs 100m/330ft
Movement	Caliber Winding Chronometer Anti-magnetism SpringLOCK®	BALL RR1103 Automatic - - -	BALL RR1103 Automatic - -	BALL RR1103 Automatic - -	BALL RR1103 Automatic - -	BALL RR1103 Automatic - -
Functions	Micro gas tubes Basic Indications Amortiser® anti-shock system A-PROOF® anti-magnetic system Chronograph Helium release valve Moon phase indication Power reserve indication Pulsemeter Second time zone Tachymeter Telemeter TMT thermometric indication Worldtime display	15 Hours, minutes, sweep seconds Magnified date - - - - - - - - - - -	14 Hours, minutes, sweep seconds Date - - - - - - - - - - -	75 Hours, minutes, sweep seconds Date - - - - - - - - - - -	15 Hours, minutes, sweep seconds Magnified date - - - - - - - - - - -	15 Hours, minutes, sweep seconds Date - - - - - - - - - - -
Band	Material	Stainless steel bracelet Canvas strap included	Stainless steel bracelet	Rubber strap	Stainless steel bracelet Rubber strap	Stainless steel bracelet Crocodile leather strap
Dial	Color(s)/Options	Black White	Black Blue Silver	Black	Black with red or white index White with black or blue index	Grey Silver

FIREMAN

				
Racer DLC NM3098C-1J 85 -	Storm Chaser DLC Glow CM2192C-2 86 1,999 pieces	Storm Chaser Pro CM3090C-1J 87 -	Victory NM2098C-3J 88 -	Victory Ladies NL2098C-3J 89 -
Stainless steel with DLC coating - 43mm 11.35mm ✓ - - 5,000Gs 100m/330ft	Stainless steel with DLC coating - 43mm 15.8mm ✓ - - 5,000Gs 100m/330ft	Stainless steel Aluminum - 42mm 15.65mm ✓ - ✓ 5,000Gs 100m/330ft	Stainless steel - 40mm 11.6mm ✓ - - 5,000Gs 100m/330ft	Stainless steel - 31mm 10.4mm ✓ - - 5,000Gs 50m/160ft
BALL RR1103 Automatic - -	BALL RR11402 Automatic - -	BALL RR1402 Automatic - -	BALL RR1103 Automatic - -	BALL RR1104 Automatic - -
15 Hours, minutes, sweep seconds Date - - - - - - - - - - - -	66 Hours, minutes, subsidiary seconds Day and date - - ✓ - - - - - - - ✓ ✓ - -	15 Hours, minutes, subsidiary seconds Day and date - - ✓ - - - - - - - - - - - - - -	14 Hours, minutes, sweep seconds Date - - - - - - - - - - - - - - - - -	14 Hours, minutes, sweep seconds Date - - - - - - - - - - - - - - - - -
Rubber strap Calf leather strap Black Grey with orange index	Rubber strap Black Silver	Stainless steel bracelet Calf leather strap Black Grey White	Stainless steel bracelet Rubber strap Black Silver	Stainless steel bracelet Calf leather strap Black Silver

PICTOGRAM EXPLANATIONS



Micro gas tubes



Bronze case



Mu-metal & carbon composite case



Mu-metal shield



Rose gold case 18k/750



Stainless steel case



Stainless steel case with DLC coating



Titanium case



Titanium case with DLC coating



Titanium carbide case



Aluminum bezel



Luminous ceramic bezel



Luminous sapphire bezel



Steel carbide bezel



Case diameter XXmm



Case size XX x XXmm



Sapphire crystal case back



Water resistance XXXm/XXXft



Anti-magnetism
XXA/m



Automatic
caliber



Automatic
chronometer
caliber



Manual
caliber



SpringLOCK®
anti-shock
system



Amortiser®
anti-shock
system



A-PROOF®
anti-magnetic
system



Chronograph
XXhr/mn



Dual time
display



GMT additional
time zone
indication



Moon phase
indication



Power reserve
indication



Pulsemeter



Tachymeter



Telemeter



TMT
thermometric
indication



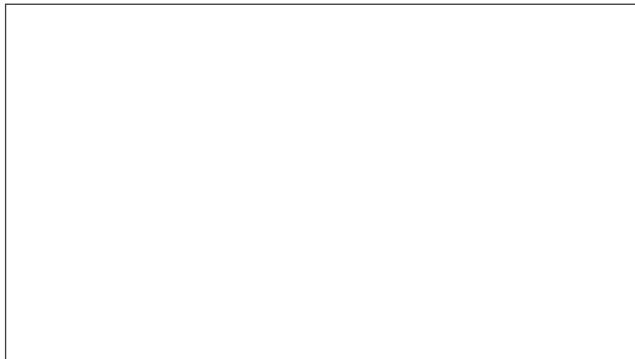
Worldtime
display

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