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Many say that movement is the heart of a timepiece. If it says so, then the ETA movements undeniably beat at the core of many Swiss watches, embodying precision, reliability, and the artistry of Swiss horology. The ETA SA Manufacture Horlogerie Suisse, commonly known as ETA, has played a pivotal role in shaping the landscape of watch movements. Renowned for its precision, reliability, and innovation, ETA has become a cornerstone of the Swiss watchmaking industry. ETA plays a vital component in the watchmaking industry and their movements hold substantial importance in high-end timepieces. It is reasonable to say that the Swiss watchmaking industry, in particular, owes much of its current status to the contributions of ETA. Therefore, in this article, we're going to delve deeper into ETA and the various movements they manufacture. What Is ETA Movement?ETA movements refer to mechanical watch movements produced by the Swiss company ETA SA Manufacture Horlogerie Suisse. ETA is a renowned and influential player in the watchmaking industry, specializing in the development and manufacturing of movements that serve as the core mechanisms in wristwatches.ETAs movements are highly regarded for their precision, reliability, and craftsmanship. These movements are utilized by a diverse range of watch brands, from prestigious Swiss manufacturers to more accessible and affordable labels. The widespread use of ETA movements has contributed to their reputation as benchmarks of Swiss watchmaking excellence. See watches brands: Alpina WatchesGlycine WatchesOris WatchesWhile some brand might craft their movements in-house, some opt for ETA movements. Its reasonable as designing, developing, and manufacturing a movement completely in-house is time-consuming and expensive. Therefore, modifying an ETA movement comes as an ideal alternative.The debate over making a movement in-house or sourcing from a third party is still a heated topic. While it might be true that in-house movements are more unique and customized, its not necessarily better in performance. Moreover, ETA with its long legacy has better quality control and its movements are time-tested.ETAs product portfolio includes a variety of movements, ranging from basic three-hand movements to more complex chronograph and automatic movements. Some of the most well-known ETA movements include the ETA 2824-2, ETA 2892, which have become industry standards for their accuracy and durability. Read also exploring the intricacies and Accuracy of Sellita MovementsA brief history of ETA SA Manufacture Horlogerie SuisseETA SA Manufacture Horlogerie Suisse, commonly known as ETA, boasts a rich and storied history deeply intertwined with the evolution of Swiss watchmaking. The journey of this renowned movement manufacturer dates back to the mid-19th century, with its roots firmly planted in the establishment of Eterna in 1856. The precursor to ETA, Eterna, initially embarked on a mission to craft high-quality timepieces. Over the decades, Eterna underwent transformations and expansions, eventually giving rise to the birth of ETA in 1932. The newly formed ETA, originally named bauches S.A., emerged as a specialized entity with the primary objective of producing movements that would serve as the beating hearts of a wide array of watches. As the Swiss watch industry navigated through various phases of change and challenges, ETA emerged as a key player during the quartz revolution of the 1970s. While the industry saw a surge in popularity for quartz movements due to their accuracy and cost-effectiveness, ETA showcased remarkable adaptability. The company continued to focus on crafting high-quality mechanical movements, appealing to those who cherished the traditional craftsmanship and artistry of mechanical watchmaking. The Most Popular ETA MovementsETA has produced a wide range of movements that have become highly popular in the watchmaking industry. These movements are renowned for their precision, reliability, and versatility, making them the go-to choice for many watch brands. Here are some of the most popular ETA movements:1. ETA 2824-2Type: AutomaticFunctions: Hours, minutes, seconds, date,Description: The ETA 2824-2 is one of the most widely used automatic movements in the watch industry with 38 hours of power reserve. Known for its robustness and accuracy, it has become a standard choice for many mid-range and luxury watches.2. ETA Valjoux 7750Type: Automatic chronographFunctions: Hours, minutes, seconds, date,ChronographDescription: The Valjoux 7750 is one of the most popular automatic chronograph movements. Recognized for its durability and precise timekeeping, it has been widely utilized in a variety of chronograph watches.3. ETA 2892-2Type: AutomaticFunctions: Hours, minutes, seconds, date,Description: Considered a higher-grade movement than the 2824-2, the ETA 2892-2 is known for its slim profile and excellent timekeeping. It is often used in more high-end watches due to its superior craftsmanship. Reasons why you should know the Things You Should Know about the Miyota MovementWatches with ETA MovementsExplore enduring precision and timeless craftsmanship with our curated selection of watches featuring renowned ETA movements. Lets dig in!Steinhart Ocean One Black CeramicMovementETA 2824-2/SW 200Dimension42mm in diameter, 43mm lug to lug, 13mm thick.Water resistance300mThe first ETA movement watch isSteinhart Ocean One Black Ceramicwhich comes with exceptional craftsmanship and precision. Powered by a reliable ETA 2824-2 movement, this timepiece ensures accurate timekeeping with the robust performance characteristic of Swiss watchmaking. The use of high-quality materials, including a sleekceramic bezel, enhances its durability and aesthetic appeal. The watchs design, featuring a striking black dial and luminescent markers, exudes a sense of understated elegance.Price: \$490.00 USDBall Watch Co. Trainmaster Standard Time Chronometerreflexibles the brands commitment to precision and quality craftsmanship. This Ball watch is driven by an automatic caliber BALL RR105 which is based on an ETA 2892-2. The ETA movement ensures the Trainmaster Standard Time Chronometer maintains exceptional timekeeping standards, while the elegant design and attention to detail make it a sophisticated choice for watch enthusiasts.Price: \$2,143.00 USDDamasko DC76MovementDAMASKO chronograph movement C51-6Dimension41mm in diameter, 49.7mm lug to lug, 14.6mm thick.Water resistanceLast on the list is theDamasko DC76which flaunts a functional design with a chronograph function. Powering the watch is DAMASKO chronograph movement C51-6 which is based on proven Valjoux 7750. This chronograph watch exudes a contemporary aesthetic with its matte stainless steel case and anti-reflective sapphire crystal, providing both a rugged durability and a sophisticated appeal. The combination of Damaskos meticulous craftsmanship and the reliable ETA movement makes the DC76 a compelling choice for the fusion of Swiss precision and German engineering in a timepiece.Price: \$3,474.00 USDConclusionThe ETA movement represents the resilience and adaptability of the Swiss watchmaking industry. ETA has played a crucial role in shaping the landscape of modern watchmaking. As technology continues to advance, ETAs legacy endures, reminding us that the heart of a fine timepiece lies in the precision and craftsmanship of its movement. Read also:Answering the Wonders Around In-house Watch Movements New & Feature Swiss luxury watches have either one of two movements: in-house or ETA. Most people who are new to watch collecting might have heard of an ETA movement but have little to no idea what it really is. Meanwhile, those who have been in the business for quite a while know exactly what were talking about. No, its not an acronym for Estimated Time of Arrival. To put it simply, ETA is Switzerlands biggest and leading movement maker. This companycreates the nervous system of your watch, most especially your Swiss luxury watch. Brandsuch as Tudor, TAG Heuer, Omega, and Frdrique Constantmainly uses an ETA movement or ETA-based movements. What is ETA SA?ETA SA Manufacture Horlogerie Suisse simply known to many as ETA provides and supplies movements to various watch brands. The company produces quartz movements, hand-wound and self-winding mechanical movements as well asbauches,bauche, in horology, refers to unassembled or partially assembled parts of a movement. Now a wholly-owned subsidiary of The Swatch Group, ETA supplies its sister companies and other competing companies parts or whole movements for their timepieces. Photo from ETA SAHistory of ETA SAETAs SAs history traces as far back as 1793 despite it being officially founded in 1856. The institution ultimately came about as a result of the consolidation of the Swiss watch industry. The amalgamation of former movement manufacturers such asValjoux, Peseux, and Lemaniam brought the company about. In 1793, four master watchmakers namelyDavid Benguerel, Isaac Benguerel, and Francois and Julien Humbert-Droz opened workshop and business namedFabriques dHorlogerie de Fontainemelon (FFH). In 1856, more than six decades later, in Grenchen, an bauche factoryemerged throughUrs Schild, a schoolmaster, and Dr. Joseph Girard. This would later become Eterna. Generally, ETA SA was Eternas movement branch founded in 1896. Through the years, Eterna established a separationese for its movements. Then in 1926, a tie-up between Eternas ETA SA and FHF formedbauches Ltd.TheFall and Rise of the Swiss Watch IndustryThe years that followed werent particularly good for the Swiss watch industry. Before the war emerged, Omega and Tissot founded Socit Suisse pour lIndustrie Horlogre (SSIH) in 1930. The company established itself as a powerful player in the industry by unifyingcompanies that producehigh-quality movements and watches. A year later, in 1931, Allgemaine Schweizerische Uhrenindustrie AG (ASUAG) came into the picture. As a solution to theGreat Depression that took over the economy in the same year, the Swiss Government and the Swiss Banks formed ASUAG. Since the establishment of both companies, SSIH and ASUAG led the Swiss watch industry in many ways. ASUAG, in itself, became the biggest group by purchasing companies under its subsidiaryGeneral Watch Co (GWC). The companies, however, didnt stop at that. They started complementary research and development programs to fight the economic crisis. However, with the Quartz Crisis in the 1970s, both ASUAG and SSIH faced financial troubles and ultimately, bankruptcy. After few years, in 1978, SA and ETA merged.The Formation of The Swatch GroupSince the merger, Dr. Ernst Thomke led ETA SA. At the time, Dr. Thomke became the CEO ofBauches SA and wasderegated on the Board of Directors of ASUAG. Later, in 1983 and under the leadership of Dr. Thomke, ASUAG and SSIH mergedand becameSocit de Microlectronique et dHorlogerie or SMH. Then, in 1985, ETA acquired all production from bauches Ltd. and FHF that were both parts of SMH. As the first CEO of SMH, Dr. Thomke held his position until 1991. With the arrival of Nicolas G. Hayek, the board elected a new chairman. However, as the main shareholder, Hayek ultimately became the only person of reference for SMH. In 1998, SMH was renamed tow hat we know today as The Swatch Group. Photo from ETASAdvantages of an ETA MovementA lot of brands produce in-house movements. However, most of these in-house movements still find its roots from an ETA movement, only modified and improved in certain ways (such as with theOmega Co-axialwatches). ETAs existencetreatly takes off the burden from various watch brands. Researching, designing, developing, and manufacturing in-house movements take a lot of risks. Firstly, its expensive and, of course, time-consuming. ETA focuses on all these aspects so the brands themselves can now focus on the creation of their watches. ETA usually suppliesvarious brands with complete, assembled movements. However, some companies prefer thespecially obauches in building their in-house movements. Because ETAonly focuses onto the development of movements, they surely have higher standards when it comes to quality control. As a result, their movements boast accuracy, precision, reliability, as well as durability. ETA creates various calibres of diverse grades. Some of their watches are even COSC-certified chronometers.5Best ETA MovementsETA movements dominate the market when it comes to both mechanical and quartz movements.Quartz, however, remains to be their most popular especially as they supply this throughout theSwatch Group. The presence of an ETA movement in a watch gives it the prestige of being Swiss Made. Here are the best ETA movements and the watchthey power.Mechanical MovementsETa Calibre 2824-2 Movement | Photo from ETA SA1. ETA 2824-2Labelled by the watch community as a workhorse movement, ETa calibre 2824-2 boasts its wide popularity among enthusiasts. As one of the most recognised movements, it also became the quintessence of reliability and efficiency among ETAmovements. Its production began in 1982. Based on the original ETerna Calibre 1427, automatic movement ETA 2824-2 comes in four grades available: Standard, Elaborated, Top, and Chronometer priced accordingly. The adjustment and accuracy of each grade go as follows: Standard adjusts in two positions with an accuracy of +/-12 secondsday up to +/- 30 seconds a day; perfect for an everyday watch.Elaborated adjusts in three positions with an accuracy of +/-7 seconds day up to +/- 20 seconds dayTop adjusts in five positions with an accuracy of +/-4 seconds day up to +/- 15 seconds dayChronometer COSC certified; best for dive watchesbest to know which grade your watch has to better understand its value. You might not notice it but a lot of companiestake this calibre torebrand it as their own. Since ETA supplies the movement too huge market, rebranding the calibre makes for a smart business move. It certainly drives up the cost of the watch, making it seem like an in-house calibre. A great example would be theGlycine Caliber GL224 as well as theFrderique Constant Calibre FC-303. Renaming the calibre number doesnt necessarily change the overall function of the movement. It is, in fact, for branding purposes alone. Unfortunately, the patent for ETA2824 already expired. This allowed cloned versions or replication of the popular ETA movement. For instance, you have theSellita Calibre SW200 and theSeagull Calibre ST2130. This movement features about 38 hours of power reserve and vibrates at28,800 beats per hour. It comes at 25.6mm in diameter and a fair 4.6mm in thickness. Moreover, the movement is now known asETA 2824-2, the -2 suffix refers to its generation. Watches that feature this calibre include theTissot Carson via thePowermatic 80 movement. A modified version of this movement runs theIWC Pilot Mark XVIII, improved with42 hours of power reserve and renamed as Calibre 30110. ETa Calibre 2892A2 Movement | Photo from ETA SA2. ETA 2892-2Manyenthusiasts deem theETA Calibre 2892-2 as the best ETA movement for many reasons. It is, after all, the successor to the ETA 2824 calibre, discussed above. In fact, it hikes up the price of just about any watch that has it. This movement powers the most expensive watchesthat ETA supplies. Its no surprise given that this movementrequires certified chronometers to fully capture its functionality. To put it to technical terms, this watch has an accuracy of about+/-20 seconds a day to +/5 seconds a day. It has three grades of production quality to this movement as most ETA movements do. Elaborated Adjusts to four positions with an average accuracy of +/5 seconds a day to +/20 seconds a dayTop Adjusts to five positions with an average accuracy of +/4 seconds a day to +/20 seconds a dayChronometer COSC-certified and adjusts to five positions with an average accuracy of +/4+6 seconds a dayThis movement vibrates at 28,800 beats per hour with 42 hours of power reserve and 21 jewels. Its a lot thinner than the ETA 2824 at3.6mm.It offersas an exceptional base for most chronograph movements. As earlier mentioned, the Omega Co-Axial movement is based on an ETA movement the ETA 2892-2A, forthismatter. They rebranded themovement as Omega 1120 for theOmega Seamaster Professional 300. As such, the Breitling B41 on theBreitlingTransocean Automatic Chronographis based on the ETA 2892-2A as well. ETa Chronograph Calibre 7750 Valjoux | Photo from ETA SA3. ETA/Valjoux 7750The ETA7750 is by far the most popular and recognisable automatic chronograph movement. Now, you might be confused as to why its either called Valjoux or ETA 7750. Valjoux joinedEbauches SA in 1944. So, it was part of the many mergers that went in between various organisations in the Swiss watch industry through the 20th century. Formally, ETA refers to the movement with proprietariness as ETA 7750 or append the Valjoux for reference. This traces back to itsbase movement, themanual wind Valjoux Calibre 7733. Today, this movement works as part of ETAs Mecaline Chronograph movements. This movement comes in three grades of production quality:Elaborated, Top, and Chronometer grade.With 7750 as base calibre, ETA grew its line with three more variations, 7750with sub-dials on 12, 6, and 9 o'clock positionsand aday/date window at 3 o'clock.7751with sub-dials on 12, 6, and 9 o'clock positions, a central date hand, and a day/month window at 12 o'clock.7753with sub-dials on 3, 6, and 9 o'clock positions and a with a date window at 4 o'clock.7775with sub-dials on 12, 6, and 9 o'clock positions, a date window at 3 o'clock, and a GMT hand.Only the ETA 7750 Valjoux in

movements. This movement comes in three grades of production quality:Elaborated, Top, and Chronometer grade.With 7750 as base calibre, ETA grew its line with three more variations. 7750with sub-dials on 12, 6, and 9 o'clock positionsand aday/date window at 3 o'clock.7751with sub-dials on 12, 6, and 9 o'clock positions, a central date hand, and a day/month window at 12. It alsoincludes a moon phase window at 6 o'clock.7753with sub-dials on 3, 6, and 9 o'clock positions, a date window at 4 o'clock.7754with sub-dials on 12, 6, and 9 o'clock positions, a date window at 3 o'clock and a GMT hand.Just like the ETA 2824, the patent for ETA 7750 already expired. This sprang up various other versions of the movement from otherbrands such as theSellita SW500. The movement weighs a bit hefty at 30mm in diameter and 7.9mm thickness. It also features up to 48 hours of power reserve.You can see the ETA 7750 Valjoux in aHamilton BeLOWZERO Chronograph. Its the base movement for the Omega Calibre 1164 as seen on theOmega Speedmaster Day/Date Chronograph. Also the base for the TAG Heuer Calibre 16, it powers various powerful chronographs from the brand such as theTAG Heuer Aquadiver Automatic Chronograph.Quartz MovementsContrary to what it may lead you to believe, ETAs quartz movements prove more popular toenthusiasts, even brands. This is due to the fact that ETA usuallysupplies movements to Swatch Group brands. Given that this company ultimately responds to the Quartz Crisis, ETA took a shot at quartz movements as well. Quartz movementsdefinitely changed theindustry in more ways than one. Without this movement, we wouldnt enjoy more affordable choices for timepieces. We might as well be looking at shorter lifespans and perhaps effortless shock resistance.ETA Calibre 282.002 | Photo from ETA SA4. ETA282.002The ETA 282.002 quartz movement comes from thecompanysFlatline series.This series features a selection of high-end brass movements. With itsextremely thin (thus, its name) and customisable exterior, the movementsfrom this collection easily becomes removable andrepairable.ETA 282.002 allows for a flexible, elegant design among watches. It is, in fact, the thinnest available movement on the Swiss Made market. With a thickness of only 1.20 mm, its a powerful movement forchictimepieces. Moreover, with itsHeavyDrive technology, it can support theunbalances ofmore than200%. Thisanti-shock system is exclusive only to ETA.Enjoy this calibre on theRadoTrue Thinlinewatches.ETA Calibre F05.841 | Photo from ETA SA5. ETAF05.841ETA F05.841, on the other hand, comes fromETAs Trendlineseries. The Eta movements in this range are called entry-level quartz movements. Due to the composite materials used such as synthetic spacer, main plate and bridges in brass, movements under this range present great value for money. TheEta F05.841 features three hands, a date window, as well as a moon phase window for added elegance. Despite the moon phase function at 6 o'clock, thismovement still aligns itself at the same value as other Trendline movements. It also has3 jewels, end-of-life display, and measures about3.60 mm in height and23.30 mm in diameter. The luxury brandBalmainpowers its de Balmain Moon Phasewatch with this movement.Monopoly ControversyIn 2002, Swatch Group released a statement that threatened to stop sellingbauches to third-party companies. This means any brand not under the Swatch Group will never beable to use ETA movements on their watches.Themarket, of course,uproared with complaints that if they can no longer buy movements from ETA, they willgo out of business. Swatch Group ultimately got a bad rep for this as they appear to aim to saturatethe market with only their products and eliminate any and allcompetitions. Due to this, theSwiss Competition Commission ran an investigation on the situation. It took many dreadful years before reaching an agreement in 2013. In the agreement, Swatchmayprogressivelylessenthe number of ETA movements it suppliedto third partiesfrom the time of theagreement, until 2019. By 2020, Swatch may do whatever they please with their products. However, as 2020 dawned, the agreement stands on. Through a study, its revealed that ETA still supplies most companies with its movements, therefore, giving them the freedom to cut back since stopping the supply for good will dwindle down the Swiss watch economy. The Swatch Group, however, hopes that by 2023, the issue will be resolved to give them the freedom to choose which brands they can continue to support.Final ThoughtsETA SA definitely holds immense power and influence in the industry. Similarly, an ETA movement maintains great power over a single timepiece. Every watch powered by ETA surely boasts impressive stats, to no surprise. While not everyone recognises the greatness of ETA movements, they will surely remain a force to be reckoned with. Want to learn more watch terms? Check out our guides on Sapphire Crystal and COSC Certification!

What does eta movement mean. Eta watch movement meaning. Eta movement meaning. What does eta watch movement stand for. Eta movements explained. What is eta movement.