



gravé sur le pont du dispositif automatique
engraved on the automatic device bridge
grabado sobre el puente del dispositivo automático
graviert auf der Brücke für Automatik
inciso sul ponte del dispositivo automatico

2130



Automatique
Automatic
Automático
Automatisch
Automatico

Seconde au centre
Centre Second
Segundero central
Zentrumsekunde
Secondi al centro

Amortisseur
Shock-absorber
Amortiguador
Stossicherung
Ammortizzatore

29 pierres
29 jewels
29 piedras
29 Steine
29 pietre



1:1



2130-100



2130-105



2130-110



2130-115



2130-120



2130-125



2130-307



2130-310



2130-311



2130-311-1



2130-335



2130-330



2130-340



2130-360



2130-410



2130-419



2130-421



2130-425



2130-429



2130-432



2130-245



2130-246



2130-451



2130-452



2130-453



2130-201



2130-204



2130-205



2130-210



2130-211



2130-212



2130-213



2130-217



2130-220



2130-225



2130-230



2130-236



2130-240



2130-7240



2130-241



2130-251



2130-260



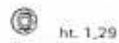
5044



2130-270



2130-270-1



2130-280



2130-280-1



2130-300



2130-301



2130-305

1:1



2130-135



2130-140



2130-145



2130-570



2130-510



2130-540



2130-550



2130-560-1



2130-560-2



2130-561



2130-568



2130-975

2:1



2130-5000



2130-5100



2130-5105



2130-5110



2130-5115



2130-5121



2130-5210



2130-5213



2130-5220



2130-5236



2130-5452



55034



2130-0913



2130-0913-2



4494



2130-0915



2130-0915-1



2130-0916



4493



4494



2130-9307



2130-9330



2130-9340



2130-9360



2130-9421



2130-9510



2130-9570

Calibre 2130

Même pièce calibre	N°	Français	English	Español	Deutsch	Italiano
2030	4493	Contre-pivot, dessus et dessous	<i>Cap jewel, upper and lower</i>	Contrapivote, encima y debajo	<i>Deckstein, oben und unten</i>	Controperno, sopra e sotto
2030	4494	Ressort pour N° 0913, 0915, 0916, dessus et dessous	<i>Spring for No. 0913, 0915, 0916, upper and lower</i>	Muelle para N.º 0913, 0915, 0916, encima y debajo	<i>Feder für Nr. 0913, 0915, 0916, oben und unten</i>	Molla per N° 0913, 0915, 0916, sopra e sotto
3035	5044	Tenon de roue de minuterie	<i>Minute wheel stud</i>	Espiga de rueda de minutería	<i>Lagerstift für Wechselrad</i>	Tenone della ruota di minuteria
3035	55034	Vis de cliquet	<i>Screw for click</i>	Tornillo de trinquete	<i>Schraube für Klinke</i>	Vite del cricco
	2130-100	Platine	<i>Main plate</i>	Platina	<i>Werkplatte</i>	Piastra
	2130-105	Pont de barillet	<i>Barrel bridge</i>	Puente de cubo	<i>Federhausbrücke</i>	Ponte del bariletto
	2130-110	Pont de rouage	<i>Train wheel bridge</i>	Puente de rodaje	<i>Räderwerkbrücke</i>	Ponte del ruotismo
	2130-115	Pont d'ancra	<i>Pallet bridge</i>	Puente de ancora	<i>Ankerbrücke</i>	Ponte dell'ancora
	2130-120	Pont de balancier	<i>Balance bridge</i>	Puente de volante	<i>Unruhbrücke</i>	Ponte del bilanciere
	2130-125	Pont de pignon de minute	<i>Minute pinion bridge</i>	Puente del piñón de minutos	<i>Minutentrieb-Brücke</i>	Ponte del pignone dei minuti
	2130-135	Pont inférieur du dispositif automatique	<i>Automatic device lower bridge</i>	Puente inferior del dispositivo automático	<i>Untere Brücke für Automatik</i>	Ponte inferiore del dispositivo automatico
	2130-140	Pont du dispositif automatique	<i>Automatic device bridge</i>	Puente del dispositivo automático	<i>Brücke für Automatik</i>	Ponte del dispositivo automatico
	2130-145	Module de remontoir automatique	<i>Automatic device module</i>	Módulo de remontuar automático	<i>Automatik-Baugruppe</i>	Modulo di ricarica automatica
	2130-201	Tige de remontoir	<i>Winding stem</i>	Tija de remontuar	<i>Aufzugwelle</i>	Albero di carica
	2130-204	Pignon de remontoir	<i>Winding pinion</i>	Piñón de remontuar	<i>Aufzugtrieb</i>	Pignone di carica
	2130-205	Pignon coulant	<i>Sliding pinion</i>	Pinón corredizo	<i>Kupplungstrieb</i>	Pignone scorrevole
	2130-210	Roue de couronne	<i>Crown wheel</i>	Rueda de corona	<i>Kronrad</i>	Ruota a corona
	2130-211	Noyau de roue de couronne	<i>Crown wheel core</i>	Sombrerete de rueda de corona	<i>Kronradkern</i>	Nocciolo della ruota a corona
	2130-212	Noyau de roue de couronne intermédiaire	<i>Intermediate crown wheel core</i>	Sombrerete de rueda de corona intermedia	<i>Zwischen-Kronradkern</i>	Nocciolo della ruota a corona intermedia
	2130-213	Roue de couronne intermédiaire	<i>Intermediate crown wheel</i>	Rueda de corona intermedia	<i>Zwischen-Kronrad</i>	Ruota a corona intermedia
	2130-217	Bascule de baladeur	<i>Yoke sliding gear</i>	Báscula de corredera	<i>Wippe für Umsteller</i>	Bascula del ballerino
	2130-220	Tirette	<i>Setting lever</i>	Tirete	<i>Winkelhebel</i>	Tiretto
	2130-225	Ressort de tirette	<i>Setting lever spring</i>	Muelle de tirete	<i>Winkelhebelfeder</i>	Molla del tiretto
	2130-230	Sautoir de tirette	<i>Jumper for setting lever</i>	Muelle flexible de tirete	<i>Raste für Winkelhebel</i>	Scatto del tiretto
	2130-236	Couvre-mécanisme	<i>Winding and setting mechanism cover</i>	Cubre-mecanismo	<i>Deckplatte für Stelleinrichtung</i>	Copri-meccanismo
	2130-240	Bascule de pignon coulant	<i>Yoke for sliding pinion</i>	Báscula de piñón corredizo	<i>Hebel für Kupplungstrieb</i>	Bascula del pignone scorrevole
	2130-241	Ressort de bascule	<i>Spring for yoke</i>	Muelle de báscula	<i>Feder für Kupplungshebel</i>	Molla della bascula
	2130-245	Ressort d'arrêt de balancier	<i>Balance stop spring</i>	Muelle de tope del volante	<i>Stoppfeder für Unruh</i>	Molla per fermo del bilanciere
	2130-246	Plot de ressort d'arrêt de balancier	<i>Stud for balance stop spring</i>	Pitón de muelle de tope del volante	<i>Klötzchen für Stoppfeder der Unruh</i>	Bottone della molla per fermo del bilanciere
	2130-251	Renvoi intermédiaire	<i>Intermediate setting wheel</i>	Rueda de transmisión intermedia	<i>Zwischen-Zeigerstellrad</i>	Rinvio intermedio
	2130-260	Roue de minuterie	<i>Minute wheel</i>	Rueda de minutería	<i>Wechselrad</i>	Ruota della minuteria

Calibre 2130

Même pièce calibre	N°	Français	English	Español	Deutsch	Italiano
	2130-270	Chaussée	<i>Cannon pinion</i>	Cañón de minutos	<i>Minutenrohr</i>	Pignone calzante
	2130-270-1	Chaussée	<i>Cannon pinion</i>	Cañón de minutos	<i>Minutenrohr</i>	Pignone calzante
	2130-280	Roue des heures	<i>Hour wheel</i>	Rueda de horas	<i>Stundenrad</i>	Ruota delle ore
	2130-280-1	Roue des heures	<i>Hour wheel</i>	Rueda de horas	<i>Stundenrad</i>	Ruota delle ore
	2130-300	Cliquet	<i>Click</i>	Trinquete	<i>Klinke</i>	Cricco
	2130-301	Ressort de cliquet	<i>Spring for click</i>	Muelle de trinquete	<i>Feder für Klinke</i>	Molla del cricco
	2130-305	Rochet	<i>Ratchet wheel</i>	Rochete	<i>Sperrad</i>	Rocchetto
	2130-307	Arbre de barillet	<i>Barrel arbor</i>	Arbol de cubo	<i>Federwelle</i>	Albero del bariletto
	2130-310	Barillet avec arbre	<i>Barrel with arbor</i>	Cubo con árbol	<i>Federhaus mit Federwelle</i>	Bariletto con albero
	2130-311	Ressort de barillet force normale	<i>Mainspring, strength-standard</i>	Muelle real, fuerza normal	<i>Zugfeder, Stärke-normal</i>	Molla del bariletto, forza normale
	2130-311-1	Ressort de barillet, force faible	<i>Mainspring, strength-weak</i>	Muelle real, fuerza débil	<i>Zugfeder, Stärke-schwach</i>	Molla del bariletto forza debole
	2130-330	Roue de grande moyenne	<i>Great wheel</i>	Rueda grande de arrastre	<i>Grossbodenrad</i>	Ruota di grande mediana
	2130-335	Pignon de minute avec chaussée	<i>Minute pinion with cannon pinion</i>	Piñón de minutos con cañón de minutos	<i>Minutentrieb mit Minutenrohr</i>	Pignone dei minuti con pignone calzante
	2130-340	Roue moyenne	<i>Third wheel</i>	Rueda primera	<i>Kleinbodenrad</i>	Ruota mediana
	2130-360	Roue de seconde	<i>Second wheel</i>	Rueda de segundos	<i>Sekundenrad</i>	Ruota dei secondi
	2130-410	Roue d'échappement	<i>Escape wheel</i>	Rueda de escape	<i>Hemmungsrad</i>	Ruota di scappamento
	2130-419	Tige d'ancre	<i>Pallet staff</i>	Tija de ancora	<i>Ankerwelle</i>	Albero d'ancora
	2130-421	Ancre	<i>Pallet fork</i>	Ancora	<i>Anker</i>	Ancora
	2130-425	Plateau	<i>Roller</i>	Platillo	<i>Scheibe</i>	Disco
	2130-429	Axe de balancier	<i>Balance staff</i>	Eje de volante	<i>Unruhwelle</i>	Albero del bilanciere
	2130-432	Balancier avec spiral plat, réglé	<i>Balance with flat hairspring, regulated</i>	Volante con espiral plano, regulado	<i>Unruh mit Flachspirale, reguliert</i>	Bilanciere con spirale piana, regolato
	2130-451	Bride de porte-spiral	<i>Bridle for hairspring support</i>	Brida de porta- espiral	<i>Bügel für Spiral- federträger</i>	Brida del porta- spirale
	2130-452	Bride de spiral	<i>Clamp for hairspring</i>	Brida de espiral	<i>Bügel für Spiralfeder</i>	Brida del spirale
	2130-453	Porte-spiral	<i>Hairspring support</i>	Porta-espiral	<i>Spiralfederträger</i>	Porta-spirale
	2130-510	Roue entraîneuse de rochet	<i>Driving wheel for ratchet wheel</i>	Rueda de arrastre de rochete	<i>Mitnehmerrad für Sperrad</i>	Ruota conduttrice del rocchetto
	2130-540	Roue d'inversion, montée	<i>Reversing wheel, mounted</i>	Rueda de inversión, ajustada	<i>Umkehrad, montiert</i>	Ruota d'inversione, montata
	2130-550	Pignon de masse oscillante	<i>Pinion for oscillating weight</i>	Piñón de masa oscilante	<i>Trieb für Schwungmasse</i>	Pignone della massa oscillante
	2130-560-1	Clavette de masse oscillante, 0,15 mm	<i>Spring-clip for oscillating weight, 0,15 mm</i>	Chaveta de masa oscillante, 0,15 mm	<i>Klemmscheibe für Schwungmasse, 0,15 mm</i>	Chiavetta della massa oscillante, 0,15 mm
	2130-560-2	Clavette de masse oscillante, 0,135 mm	<i>Spring-clip for oscillating weight, 0,135 mm</i>	Chaveta de masa oscillante, 0,135 mm	<i>Klemmscheibe für Schwungmasse, 0,135 mm</i>	Chiavetta della massa oscillante, 0,135 mm
	2130-561	Bride de clavette	<i>Bridle for spring-clip</i>	Brida de chaveta	<i>Bügel für Klemmscheibe</i>	Brida della chiavetta
	2130-568	Axe de masse oscillante	<i>Axle for oscillating weight</i>	Eje de masa oscilante	<i>Welle für Schwungmasse</i>	Asse della massa oscillante
	2130-570	Masse oscillante	<i>Oscillating weight</i>	Masa oscilante	<i>Schwungmasse</i>	Massa oscillante

Calibre 2130

Même pièce calibre	N°	Français	English	Español	Deutsch	Italiano
	2130-975	Cercle d'agrandissement	Enlargement ring	Aro de agrandar	Vergrößerungsring	Cerchio di ingrandimento
	2130-0913	Chaton combiné de roue d'échappement, dessus et dessous	Combined in-setting for escape wheel, upper and lower	Chatón combinado de rueda de escape, encima y debajo	Kombiniertes Steinfutter für Hemmungsrad, oben und unten	Castone combinato della ruota di scappa- mento, sopra e sotto
	2130-0913-2	Contre-pivot, dessus et dessous	Cap jewel, upper and lower	Contrapivote, encima y debajo	Deckstein, oben und unten	Controperno, sopra e sotto
	2130-0915	Amortisseur de balancier, dessus	Shock-absorber for balance, upper	Amortiguador de volante, encima	Stoßsicherung für Unruh, oben	Ammortizzatore del bilanciere, sopra
	2130-0915-1	Chaton dessus et dessous	In-setting, upper and lower	Chatón, encima y debajo	Steinfutter, oben und unten	Castone, sopra e sotto
	2130-0916	Amortisseur de balancier, dessous	Shock-absorber for balance, lower	Amortiguador de volante, debajo	Stoßsicherung für Unruh, unten	Ammortizzatore del bilanciere, sotto
	2130-5000	Jeu de vis	Set of screws	Juego de tornillos	Schrauben-Satz	Gioco di viti
	2130-5100	Vis de fixation	Screw for case	Tornillo de fijación	Schraube für Werkbefestigung	Vite di fissaggio
	2130-5105	Vis de pont de barillet, longue	Screw for barrel bridge, long	Tornillo de puente de cubo, largo	Schraube für Federhausbrücke, lang	Vite del ponte del bariletto, lunga
	2130-5110	Vis de pont de balancier, de rouage, de barillet et de pont du dispositif automatique	Screw for balance, train wheel, barrel and automatic device bridges	Tornillo de puentes de volante, de rodaje, de cubo y del dispositivo automático	Schraube für Unruh-, Räderwerk-, Feder- haus- und des Automatik- Brücke	Vite dei ponti del bilanciere, del ruotismo, del bariletto e del dispositivo automatico
	2130-5115	Vis de ponts d'ancre, de pignon de minute et de dispositif automatique Vis de sautoir de tirette et de ressort de tirette	Screw for pallet, minute pinion and automatic device bridges Screw for setting lever jumper and for setting lever spring	Tornillo de puentes de áncora, del piñón de minutos y del dispositivo automático Tornillo de muelle flexible de tirete y de muelle de tirete	Schraube für Anker-, Minutentrieb- und Automatik-Brücke Schraube für Winkel- hebelraste und für Winkelhebelfeder	Vite dei ponti del- l'ancora, del pignone dei minuti e del dispositivo automatico Vite dello scatto del tiretto e della molla del tiretto
	2130-5121	Vis de réglage du pont de balancier	Regulating screw for balance bridge	Tornillo regulador de puente de volante	Regulierschraube für Unruhbrücke	Vite di regolazione del ponte del bilanciere
	2130-5210	Vis de roue de couronne	Screw for crown wheel	Tornillo de rueda de corona	Schraube für Kronrad	Vite della ruota a corona
	2130-5213	Vis de roue de couronne intermédiaire	Screw for intermediate crown wheel	Tornillo de rueda de corona intermedia	Schraube für Zwischen-Kronrad	Vite della ruota a corona intermedia
	2130-5220	Vis-axe de tirette	Setting lever axle screw	Tornillo-eje de tirete	Winkelhebelwelle- Schraube	Vite-asse del tiretto
	2130-5236	Vis de couvre- mécanisme, de bride de clavette et de bride de porte-spiral	Screw for winding and setting mechanism, for bridle of spring- clip and for bridle of hairspring support	Tornillo de cubre- mecanismo, de brida de chaveta y de brida de porta-espiral	Schraube für Deckplatte für Stelleinrichtung, für Bügel für Klemm- scheibe und für Bügel für Spiralfederträger	Vite del copri- meccanismo, della brida della chiavetta e della brida del porta-spirale
	2130-5452	Vis de bride de spiral	Screw for hairspring bridle	Tornillo de brida de espiral	Schraube für Spiralfederbügel	Vite de brida del spirale
	2130-7240	Tenon de bascule	Yoke stud	Espiga de báscula	Lagerstift für Kupplungshebel	Tenone della bascula
	2130-9307	Pierre d'arbre de barillet, dessus, dessous	Jewel for barrel arbor, upper, lower	Piedra del árbol de cubo, encima, debajo	Stein für Federwelle, oben, unten	Pietra dell'albero del bariletto, sopra, sotto

Calibre 2130

Même pièces calibre	N°	Français	English	Español	Deutsch	Italiano
	2130-9330	Pierre de roue de grande moyenne, dessus, dessous Pierre de la roue entraîneuse de rochet, dessus Pierre de roue d'inversion, dessus, dessous et pierre de masse oscillante, dessous	<i>Jewel for great wheel, upper, lower Jewel for driving wheel for ratchet wheel, upper Jewel for reversing wheel, upper, lower and jewel for oscillating weight, lower</i>	Piedra de rueda grande de arrastre, encima, debajo Piedra de arrastre de roquete, encima	<i>Stein für Grossbodenrad, oben, unten Stein für Mitnehmerrad für Sperrad, oben Stein für Umkehrad, oben, unten und Stein für Schwungmasse, unten</i>	Pietra della ruota di grande mediana, sopra, sotto Pietra della ruota conduttrice del rocchetto, sopra Pietra della ruota d'inversione, sopra, sotto e pietra della massa oscillante, sotto
	2130-9340	Pierre de roue moyenne, dessus, dessous et pierre de roue de seconde, dessus	<i>Jewel for third wheel, upper, lower and jewel for second wheel, upper</i>	Piedra de rueda primera, encima, debajo y piedra de rueda de segundos, encima	<i>Stein für Kleinbodenrad, oben, unten und Stein für Sekunden- rad, oben</i>	Pietra della ruota mediana, sopra, sotto e pietra della ruota dei secondi, sopra
	2130-9360	Pierre de roue de seconde, dessous	<i>Jewel for second wheel, lower</i>	Piedra de rueda de segundos, debajo	<i>Stein für Sekundenrad, unten</i>	Pietra della ruota dei secondi, sotto
	2130-9421	Pierre d'ancre, dessus et dessous	<i>Jewel for pallet fork, upper and lower</i>	Piedra de ancora, encima y debajo	<i>Stein für Anker, oben und unten</i>	Pietra d'ancora, sopra e sotto
	2130-9510	Pierre de la roue entraîneuse de rochet, dessous	<i>Jewel for driving wheel for ratchet wheel, lower</i>	Piedra de arrastre de roquete, debajo	<i>Stein für Mitnehmerrad für Sperrad, unten</i>	Pietra della ruota conduttrice del rocchetto, sotto
	2130-9570	Pierre de masse oscillante, dessus	<i>Jewel for oscillating weight, upper</i>	Piedra de masa oscillante, encima	<i>Stein für Schwung- masse, oben</i>	Pietra della massa oscillante, sopra



Technical information
Information technique
Información técnica
Technische Information
Informazione tecnica

MARCH 1987

**TECHNICAL
SUPPLEMENT**

RECENT TECHNICAL MODIFICATIONS BROUGHT TO
CALIBRES 2130/2135 AND 3035 NOT BEING MENTIONED IN
THE RESPECTIVE TECHNICAL INFORMATION BULLETIN



COMMUNICATIONS

RECOMMENDATION

TOOLS

REMARKS



TECHNICAL MODIFICATIONS

CALIBRES 2130/2135

Hairspring support No. 2130-453

The hairspring support has been modified so as to give an inclination to the bridge.

The object is: to prevent a coil from getting hooked between the hairspring support and the bridge.

CALIBRE 3035

Date wheel mounted No. 5094

The width of the finger has been increased from 0,375 to 0,550 mm.

The object is: to control better the date indicator when jumping.

COMMUNICATIONS

Strengthening of the security of the bracelet screws, the Oyster tubes and the winding stems

When links fixed with screws have to be added or removed, it is recommended to use Loctite 259* to strengthen the tightness of the screws.

The hold tube/case middle part and stem/crown can also be strengthened with Loctite 270*.

Loctite is deposited with parsimony on the screw thread.

Replacement of Oyster tubes

When replacing a tube it is necessary to fit the type of tube which corresponds to the recess done in the case middle part for the seat of the tube. The Oyster catalogue R.20, edition April 1987, gives for every case reference the number of the corresponding tube.

Gold cases

Under adverse conditions, a discolouration due to a chemical reaction between the silver washer and the gold case can take place around the tube. It is then necessary to remove the silver washer. With a tube No. 24-5330, respectively No. 24-6010 use a gold washer No. 29-05318, respectively No. 29-06028. Polishing removes discolouration.

* Can be ordered from the Technical Information Department.



Dials and hands calibres 2035 and 2135

The dials cal. 2035 cannot be fixed on the movements cal. 2135, however the contrary is possible since the dials cal. 2135 have millings for the two bolts of the date indicator seating.

The hands of cal. 2035 and 2135 are not interchangeable.

However when a dial has to be changed one must pay attention to the particularity of the movement i.e. fit a dial that, as the old one, either bears the mention «Superlative Chronometer Officially Certified», either not. Do not omit to mention this point when ordering a dial as far as Rolesor or steel watches are concerned.

RECOMMENDATION

Lubrication

We recommend to use our new range of lubricants. The technical information bulletin No. 23, the up to date issue of cal. 3035/3055, includes the new lubricating charts.

Here is the list of our lubricants and summarily their use:

Oil Synt-A-Lube 9010 Ref. 2900	balance and escape wheel pivots.
Grease MR 1 Ref. 2904	inner wall of automatic watches barrel.
Grease Moebius 9415 Ref. 2911	impulse plane of the teeth of the escape wheel and of the pallet-stones; peremptory use for the 28.800 V/h, optional use for the 19.800 and 21.600 V/h watches.
Oil FHMR 3 Ref. 2912	other wheels and pinions.
Grease MR 4 Ref. 2913	friction of cannon pinion, mechanisms.
Oil Moebius 941 Ref. 2901	impulse plane of the pallet-stones of the 19.800 and 21.600 V/h watches if Moebius grease 9415 has not been used.
Grease Fomblin Ref. 2916	belongs now to the range of our lubricants, is not used for the movement and replaces grease 55 M Ref. 2908, silicone Ref. 2909 and tallow Ref. 2910.



TOOLS

Two punches Ref. 2092 and 2102 are necessary to rivet the combined in-setting No. 95063 of the automatic device bridge cal. 3035-85. The riveting is done with the punch with prongs Ref. 2102; the flat punch Ref. 2092 is used to flatten the rivet so as to keep a sufficient clearance between the automatic device bridge and the oscillating weight. A special stake Ref. 2112 is available, it has a recess in its centre for the combined in-setting of the automatic device bridge.

A special tool Ref. 2106 is available. It is a tip, notched on one end, to make easier the fitting of the spring for cam yoke of the cal. 1555, 1556, 1575, 3035, 3055, 3075, 3085, 5035 and 5055. This tip goes on a screwdriver of a diameter of 3.00 mm.

To facilitate the screwing and especially the unscrewing of the screws of the bracelets links, there are sockets that can be fitted on the handle for taps Ref. 2039 and designed to receive screwdriver blades. Sockets for blades of a diameter of 0.90, 1.20, 1.40 and 1.70 mm are available.

IMPORTANT REMARKS RELATING TO THE VACUUM APPARATUS REF. 1000

The functioning of this apparatus is often misunderstood and in particular the indications of the manometer. Consequently we think useful to give the explanations hereafter.

The dial of the manometer has graduations in cm Hg (Hg = mercury) and the hand shows the lowering of pressure brought about the transparent container. This method which works by lowering the pressure, is an excellent way of detecting leaks because it subjects the case to severe strain caused by high pressure inside the case.

Unfortunately no strict physical concordance can be given for a watch which is plunged into water and therefore subjected to high external pressure. However the practical tests we have carried out have proved that a watch will be perfectly waterresistant in normal conditions of immersion in water (swimming, diving, etc) if the hand of the manometer shows 60 cm Hg.