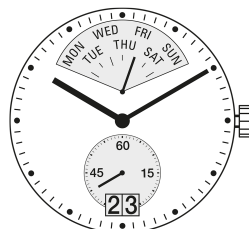
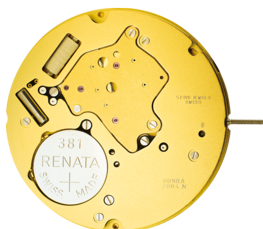


Caliber 7004.N – 15"



Product Specifications

Analog quartz movement

Line xtratech

Caliber 7004.N

Size 15"

Version Swiss Made 6 Jewels / gold plated EOL

Standard battery life 48 months

Standard hand fitting height 1

Features

- Repairable metal watch movement
- Power saving mechanism with pulled out stem:
Reduction of consumption approximately 70%
- Big date with quick change

Functions

- Multifunction
- Big date
- Small second
- Day Retrograde
- 2 hands

Quartz Movements

Multifunctions

RONDA xtratech

Caliber 7004.N – 15'''

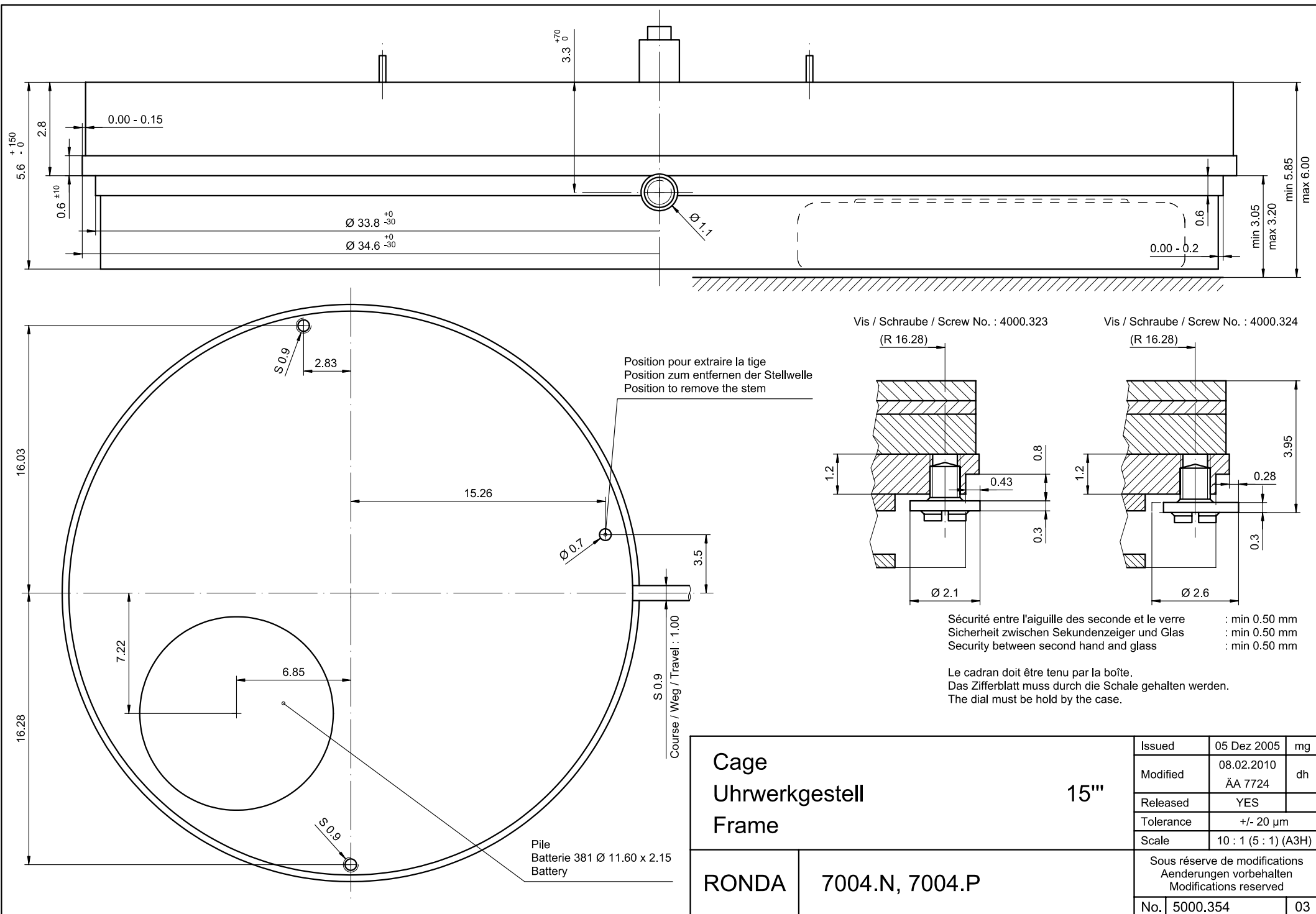
Technical Specifications

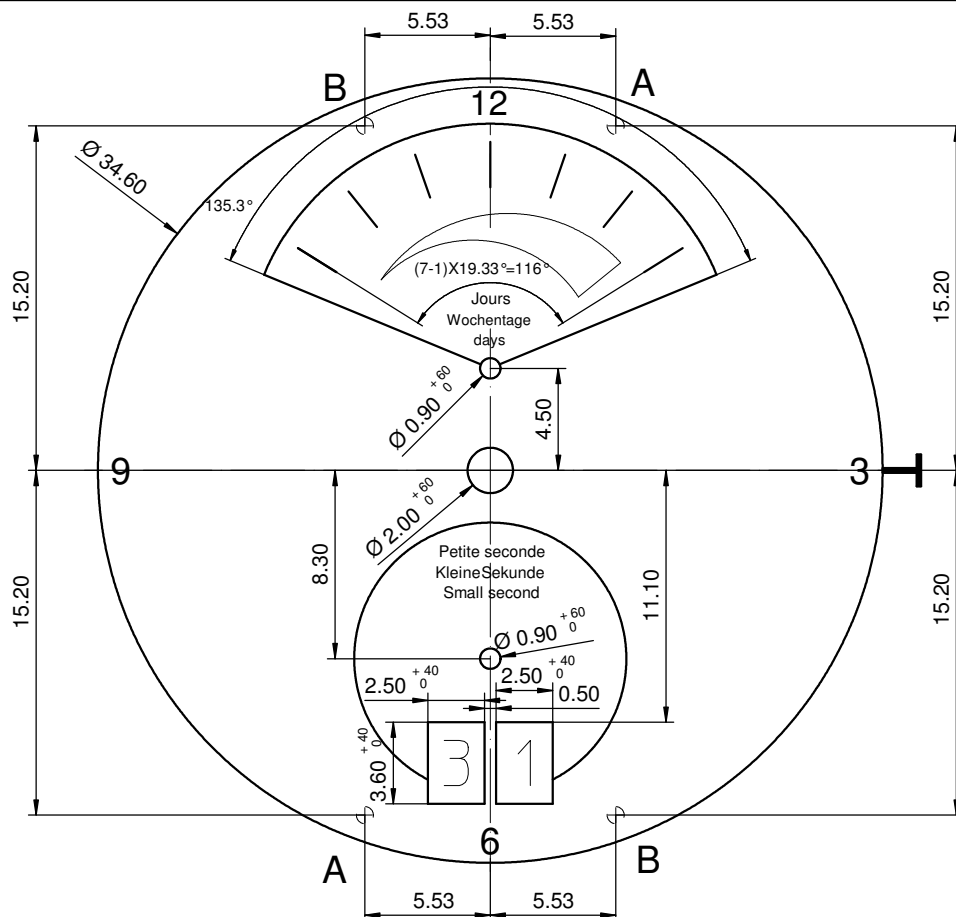
Diameter Total	34.60 mm
Case fitting	33.80 mm
Movement height	5.60 mm
Height over standard battery	5.60 mm
Movement rest	0.60 mm
Height over stem	3.30 mm
Length of stem travel	1.00 mm
Stem thread	0.90 mm
Useful torque second – typical	10 μ Nm
Useful torque minute – typical	500 μ Nm
Operating temperature	0 - 50 °C
Instantaneous rate	-10/ +20 sec/month
Resistance to magnetic fields	18.8 Oe
Resistance against shock	NIHS 91-10



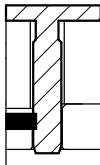
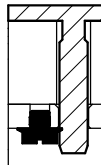
Battery Specifications

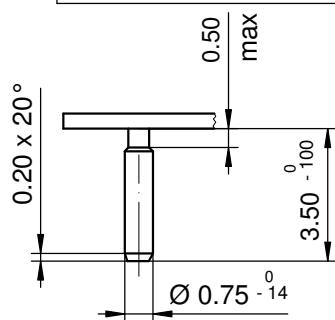
Standard battery	No. 381
Standard battery life	48 months
Battery voltage	1.5 V
Current consumption – typical	1.43 μ A (Date Mechanism not in Gear)
Current consumption – maximum	3.1 μ A (Date Mechanism not in Gear)





Disponibiles positions pour pieds de cadran / Available dial feet positions / Verfügbare Zifferblatffusspositionen

A Pos 1h / 7h	B Pos 5h / 11h
 <p>Fixation du cadran avec rondelle en plastique Dial fixation by plastic disc Zifferblattbefestigung durch Kunststoffscheibe</p>	 <p>Fixation du cadran avec clef de cadran Dial fixation by dial - key Zifferblattbefestigung durch Zifferblattschlüssel</p>



Epaisseur du cadran selon hauteur de l'aiguillage
Zifferblattdicke gemäss Zeigerwerkhöhen
Dial thickness according to hand fitting heights

Tige	Date	Jour
Stellw.	Datum	Tag
Stem	Date	Day
3H	6H	12H

Cadran
Zifferblatt
Dial

15"

Issued	13 Dez 2006	cw
Modified	26 Nov 2012 ÄÄ 10475	dh
Released	YES	
Tolerance	+/- 20 µm	
Scale	3 : 1 (A4V)	

RONDA

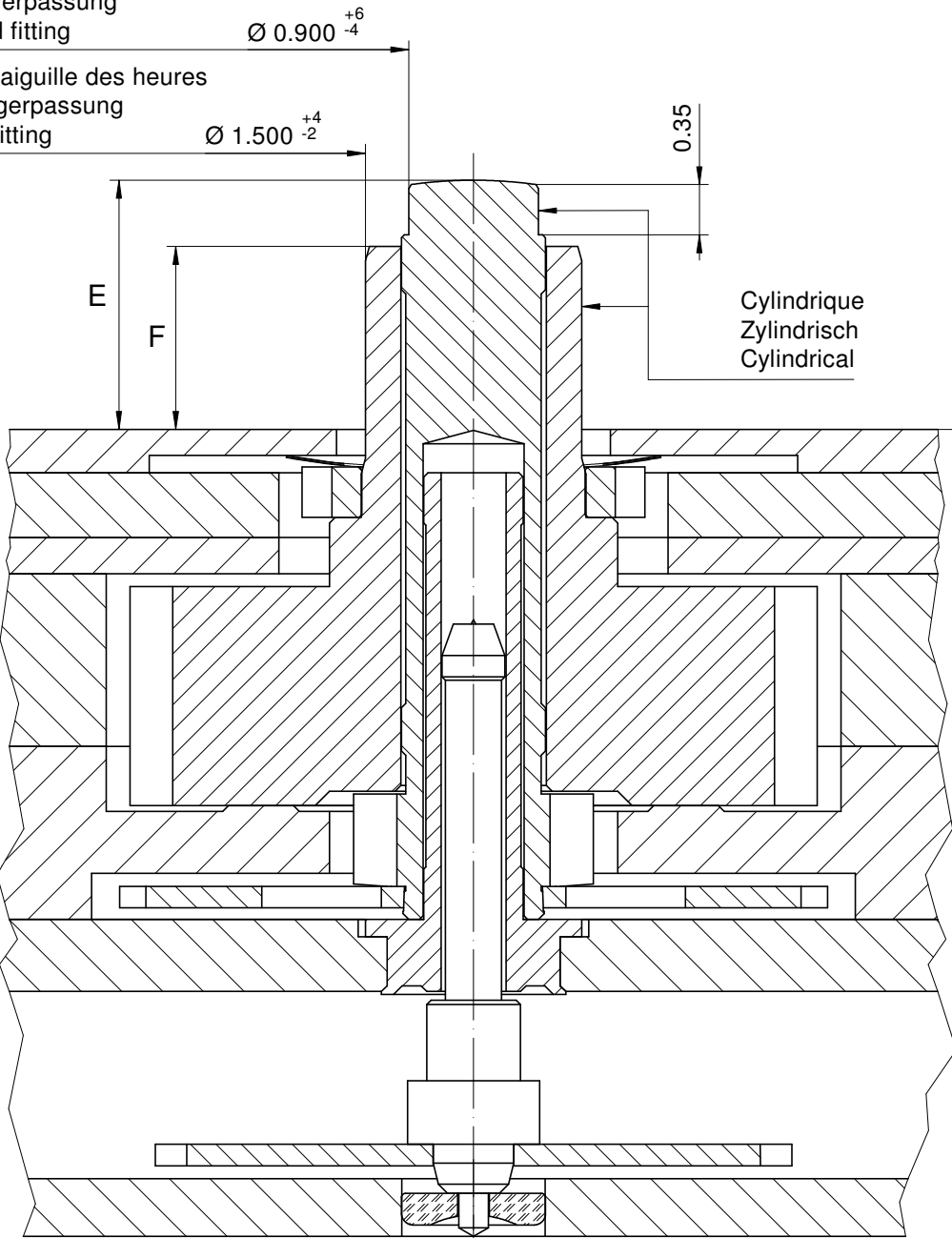
7004.N

Sous réserve de modifications
Änderungenvorbehalten
Modifications reserved

No.	5010.772	02
-----	----------	----

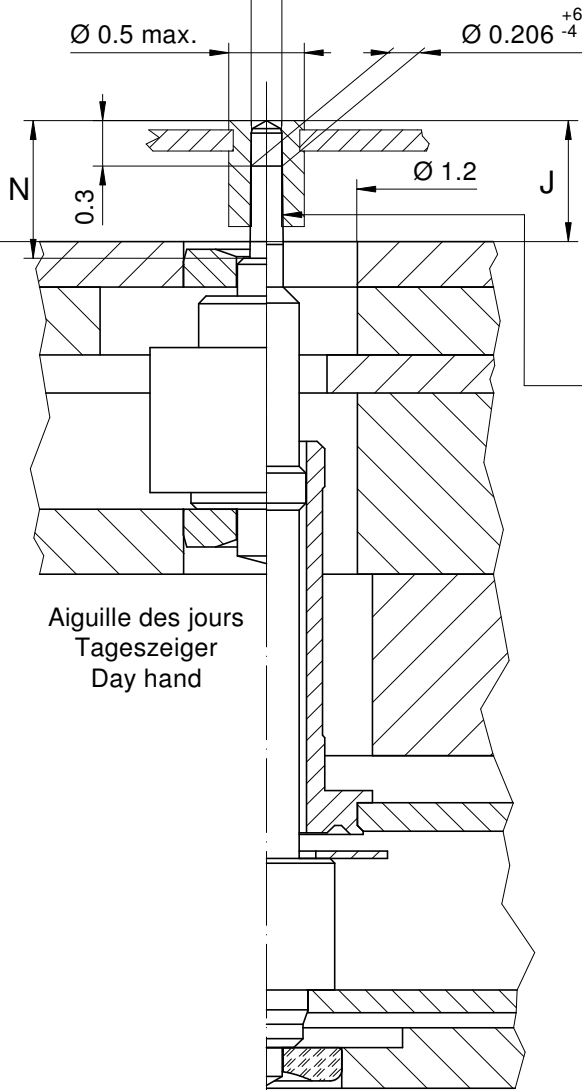
Ajustement aiguille des minutes
Minutenzeigerpassung
Minute hand fitting

Ajustement aiguille des heures
Stundenzeigerpassung
Hour hand fitting



Appui cadran
Zifferblattaufgabe
Dial seat

Ajustement aiguille
Zeigerpassung
Hand fitting



Aiguillages Zeigerwerkhöhe Hand fitting height					
Dépassement Höhe über Zifferblattaufgabe Height over dial seat					
No	Chaussée Minutenrohr Cannon-pinion	Roue des heures Stundenrad Hour wheel	Petite seconde Kleine Sekunde Small second	Pignon des jours rétrograde Tagesanzeigetrieb retrograd Day pinion retrograde	
1	E	F	J	J	N
-	1.73	1.27	0.80	0.80	0.90

Aiguillages Zeigerwerkhöhe Hand fitting height						
Peinture comprise / inkl. Farbe / Paint included						
Epaisseur maximum du cadran Maximale Zifferblattdicke Maximum dial thickness						
No	Sous l'aiguille des minutes Unter Minutenzeiger Under minute hand	Sous l'aiguille des heures Unter Stundenzeiger Under hour hand	Sous l'aiguille de petite seconde Unter kleine Sekundenzeiger Under small second hand	Sous l'aiguille des jours rétrograde Unter Tageszeiger retrograd Under Day hand retrograde		Epaisseur des aiguilles Zeigerdicke Hands thickness
1	1.30	0.85	0.40	0.40		0.15
-						

		Aig. des minutes Minutenzeiger Minute hand	Aig. des heures Stundenzeiger Hour hand	Aig. petite secondes Kleine Sekundenzeiger Small second hand	Aig. des jours rétrograde Tagesanzeiger retrograd Day hand retrograde	Lors de la pose d'aiguilles, le mouvement doit être soutenu. Beim Zeigersetzen muss das Werk abgestützt werden. The movement needs to be supported for hand setting.
mg	max.	30	30	10	10	Masse / Masse / Weight *
μNm	max.	0.70	0.70	0.08	0.40	Balourd / Unwucht / Unbalance *
gmm ²	max.	-	-	0.2	1.0	Inertie / Massenträgheit / Inertia *
N	max.	40	40	30	30	Force de chassage / Aufpresskraft / Force

Aiguillages Zeigerwerkhöhen 15" Hand fitting heights		Issued	22 Aug 2007	dh
		Modified	15 Okt 2014 ÄA 13275	dh
		Released	YES	
		Tolerance	µm	
		Scale	20:1 (A3H)	
RONDA	7004.N, 7004.P	Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
		No.	3316.105	05

* En cas de données différentes, veuillez contacter le service après-vente

* Bei abweichenden Werten, bitte technischen Kundendienst anfragen

* In case of different values, please contact the customer service



Tige de travail (intégrée dans le mouvement)
Arbeitsstellwelle (im Werk eingebaut)
Working stem (implemented in the movement)

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.194.CO	21.30	10.74	27.64	10.15	0.90	1.10



Couleur de la couronne Kronenfarbe Crown color	violet violett purple
Code	UN 5046

Tige (normale) / Stellwelle (normal) / Stem (normal)

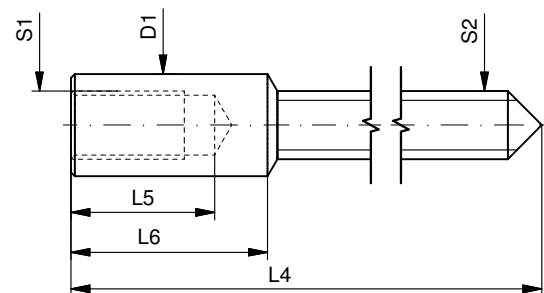
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.194	21.30	10.74	27.64	10.15	0.90	1.10



Couronne vissée Geschraubte Krone Screwed crown	
Force ⇐ min. Kraft ⇐ min. Force ⇐ min.	10 N
Force ⇐ max. Kraft ⇐ max. Force ⇐ max.	15 N

Rallonge de tige / Stellwelle Verlängerung / Stem extension

No. d'article Artikelnummer Part number	L4	L5 (min)	L6	S1	S2	D1
3000.040	12.00	1.90	2.60	0.90	0.90	1.35



Tige (dimensions / forces)
Stellwelle (Dimensionen / Kräfte)
Stem (dimensions / forces)

RONDA

7002.B, 7003.B, 7003.L, 7003.N,
7004.B, 7004.N, 7004.P

Issued	06 Sep 2012	ds5222
Modified	17 Mär 2017 ÄA 34582	mg5224
Released	YES	
Tolerance	---	
Scale	10:1 (A3)	
Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
No.	5030.022	02



Movement holder
Removing setting stem
H7XXX.1T



Movement holder
Setting hands
H7XXX.1A

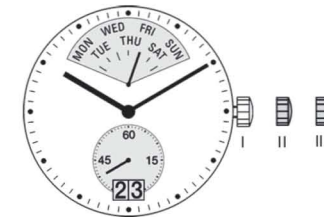
Fitting dial and hands

- Crown in position III
- Wind hour hand forwards, until Sunday appears in retrograde window
- Crown in position II
- Wind crown until date 02 appears
- Crown in position III
- Wind hour hand forwards, until date changes to 03
- Remove working hand
- Fit dial
- Set retrograde hand on Sunday
- Point remaining hands towards 12 o'clock
- Wind time forwards, in order to set actual weekday
- Set time
- Crown in position II
- Set date
- Crown in position I

Date switching duration

First and tenth digit discs
Weekday

~2hrs
~1½hrs



General Instructions

Removing the setting stem can only be effected in Pos. I.

The use of supporting screws is essential when mounting the hands.

Permitted hand setting strengths:

Hr / min. hands: <40N

Other hands: <30N

During quick date correction (setting stem in position II), a date switching speed of 5 d/s must not be exceeded.

User's Manual English
Movements Caliber

RONDA powertech

- 585
- 505
- 515

RONDA slimtech

- 1005
- 1006
- 1009
- 1015
- 1016
- 1019

RONDA normtech

- 774 - 6003.D
- 775 - 6004.D
- 704
- 705
- 784
- 785
- 714
- 715
- 715Li

RONDA xtratech

- 6003.B
- 6004.B
- 7002.B
- 7003.B
- 7004.B

You have decided to buy a watch, which was assembled by a watchmaker using a Ronda movement. Please note that no watches are produced or distributed under the Ronda brand.

In case of repairs, guarantee claims and questions concerning the functioning of a watch, purchasers and consumers should contact their retailer or the watch manufacturer, for which the relevant information can be found in the sales or guarantee documentation provided with the watch.

Cal. 585 / 785:
Battery type: 362/SR721SW

Cal. 774 / 775 / 784:
Battery type: 364/SR621SW

Cal. 505 / 515 / 704 / 705 / 714 / 715:
Battery type: 371/SR920SW

Cal. 6003.D / 6004.D / 6003.B / 6004.B:
Battery type: 373/SR916SW

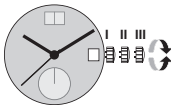
Cal. 1005 / 1006 / 1009 / 1015 / 1016 / 1019:
Battery type: 341/SR714SW

Cal. 7002.B / 7003.B / 7004.B:
Battery type: 381/SR1120SW

Cal. 715Li:
Battery type: CR 2016

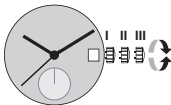
Precision: +20/-10 seconds per month

Cal. 585	Cal. 6003.D
Cal. 505	Cal. 6004.D
Cal. 515	Cal. 6003.B
	Cal. 6004.B



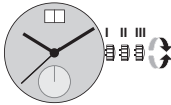
- Pos. I Position of rest (watch running)**
- Pos. II Quick-change correction for date**
The date can also be corrected during the day-changing phase between 10 pm and midnight. The date of the following day has to be set, because no automatic date change takes place at midnight.
- Pull the crown out to position II (watch still running).
 - Turn the crown clockwise until the required date appears.
Cal. 6003.D & 6004.D:
 - Turn the crown until the required date appears.
 - Push the crown back into position I.
- Pos. III Setting the time**
- Pull the crown out to position III (watch stopped).
 - Turn the crown, until the current time is displayed (remember the 24-hour cycle).
 - Push the crown back into position I.

Cal. 774	Cal. 715Li
Cal. 775	
Cal. 704	Cal. 1005
Cal. 705	Cal. 1006
Cal. 784	Cal. 1009
Cal. 785	Cal. 1015
Cal. 714	Cal. 1016
Cal. 715	Cal. 1019

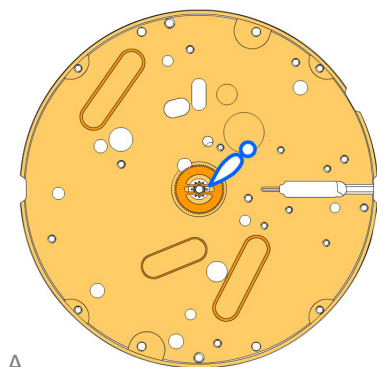


- Pos. I Position of rest (watch running)**
- Pos. II Quick-change correction for date**
Blocking time for the quick-change day correction is from approx. 9.30 pm and midnight.
- Pull the crown out to position II (watch still running).
 - Turn the crown until the current date appears.
 - Push the crown back into position I.
- Pos. III Setting the time**
- Pull the crown out to position III (watch stopped).
 - Turn the crown, until the current time is displayed (remember the 24-hour cycle).
 - Push the crown back into position I.

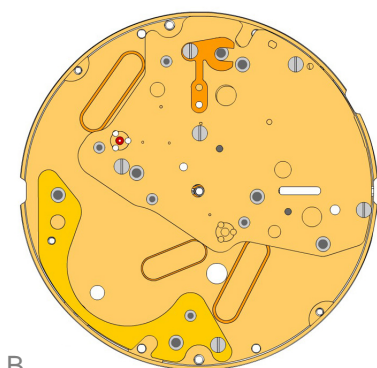
Cal. 7002.B
Cal. 7003.B
Cal. 7004.B



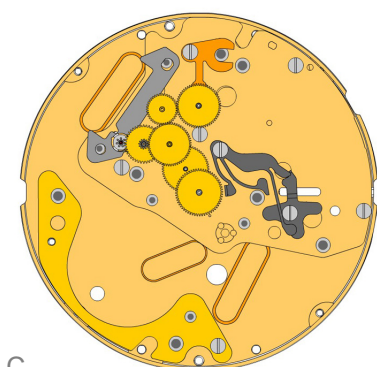
- Pos. I Position of rest (watch running)**
- Pos. II Quick-change correction for date**
The date can also be changed during the day-changing phase between approx. 8.00 pm and midnight. The date of the following day has to be set, because no automatic date change takes place at midnight.
- Pull the crown out to position II (watch still running).
 - Turn the crown until the current date appears.
 - Push the crown back into position I.
- Pos. III Setting the time**
- Pull the crown out to position III (watch stopped).
 - Turn the crown, until the current time is displayed (remember the 24-hour cycle).
 - Push the crown back into position I.



A



B



C

2000.669.G

1.



Main Plate

3305.363.CO

2.



Cannon pinion with driver B (Aig.1)

2030.028.CO

3.



Centre bridge

Centre bridge held by 3 screws 4000.250.

4000.250

4.



Screw

3406.039

5.



Sliding attachment

Sliding attachment held by 1 screw 4000.250.

2130.181.CO

6.



Combined maintaining plate

Combined maintaining plate held by 1 screw 4000.250.

4000.250

7.



Screw

3016.028

8.



Lever for setting lever

Lever for setting lever held by 1 screw 4000.249.

4000.249

9.



Screw

3016.027

10.



Stop lever

Stop lever Position held by 1 screw 4000.249.

4000.249

11.



Screw

3622.044

12.



Stator

3715.105.RK

13.



Rotor

3147.060.CO

14.



Intermediate wheel

3122.070.CO

15.



Third wheel

3136.174.CO

16.



Centre second wheel (Aig.1)

3004.203.CO

17.



Seconde intermediate wheel

3136.182.CO

18.



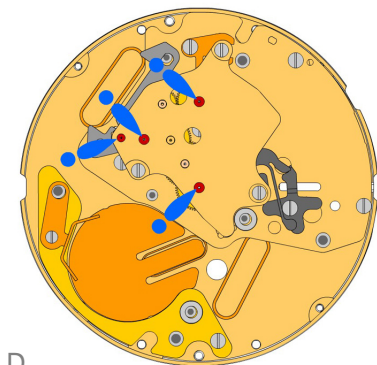
Small second wheel

3136.173.CO

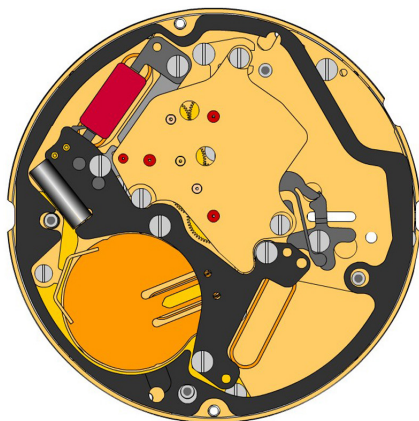
19.




Centre second wheel (Aig.1)



D




E

2020.170.G
20.  **Train wheel bridge**
Train wheel bridge held by 3 screws 4000.250.

4000.244
21.  **Screws**

3603.080
22.  **Battery insulator**

3601.120.G
23.  **Battery clamp +**
Battery clamp held by 1 screw 4000.248.

4000.248
24.  **Screw**

3503.071
25.  **Tube**

3612.196
26.  **Electronic module**
Electronic module held by 5 screws 4000.250.

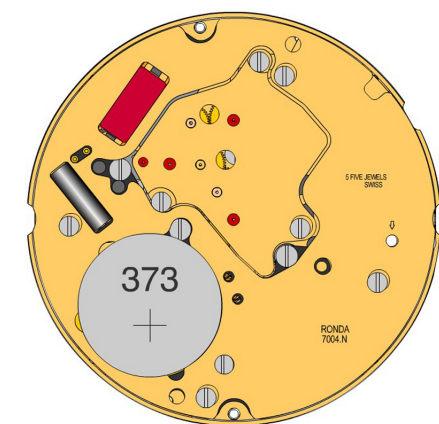
4000.250
27.  **Screw**

3603.081
28.  **Spacer**

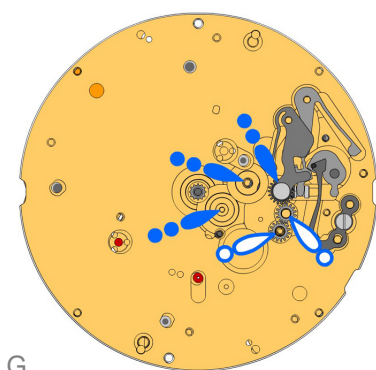
2130.183.G.M01.7004N
29.  **Electronic module cover**
Electronic module cover held by 4 screws 4000.244.

4000.244
30.  **Screws**

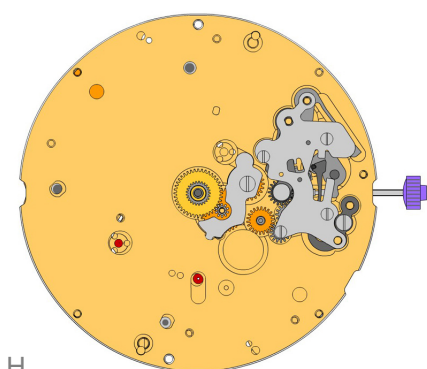
3600.032.HGF
31.  **Battery 381**








F
















G

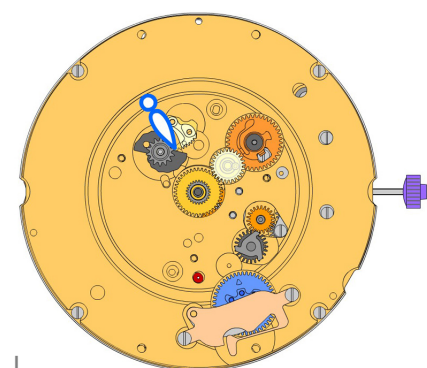
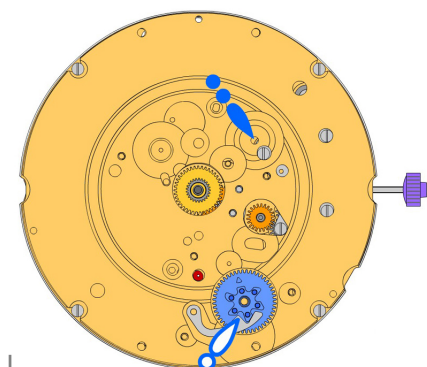


H

2000.669.G 32.		Main Plate
3017.054.CO 33.		Setting lever
3905.063 34.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.282.
4000.282 35.		Screw
3001.061.FI 36.		Sliding pinion

3015.077 37.		Yoke (3 positions) Tensioning the spring arm.
3004.200 38.		Corrector setting wheel
3004.200 39.		Corrector setting wheel
3015.078.CO 40.		Rocking bar (3 positions) Tensioning the spring arm.

2130.194 41.		Setting mechanism cover Setting mechanism cover held by 4 screws 4000.305.
4000.305 42.		Screws
3000.194.CO 43.		Stem
3004.204 44.		Intermediate setting wheel
3007.079.CO 45.		Minute wheel
2130.185 46.		Minute train bridge Minute train bridge held by 1 screw 4000.278.
4000.278 47.		Screw
3301.296.CO 48.		Hour wheel (Aig.1)
3147.066.CO 49.		Date corrector setting wheel



2000.672.G
50.



Main plate retro
Main plate retro held by 4 screws 4000.248.

4000.248
51.



Screw

3004.209
52.



Tens indicator driving wheel
The short tooth of the tens indicator driving wheel must point to the center of the movement. Parts 3004.209 and 3500.073 must be exchanged together.

3500.073
53.



Tens jumper
Parts 3004.209 and 3500.073 must be exchanged together.

2130.187
54.



Tens jumper maintaining plate
Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.

4000.279
55.



Screw

3004.208.CO
56.



Date indicator driving wheel

3147.061
57.



Intermediate date wheel

3404.006.CO
58.



Day cam (12h)
Place parts as shown on graphics.

3406.032
59.



Day rack

3406.031
60.



Day rack lever

3507.059.CO
61.



Date corrector wheel

2130.191
62.



Date indicator plate

3905.068
63.



Date corrector spring
Date corrector spring held by 1 screw 4000.244.

3905.066
64.



Day rack lever spring
Tensioning the spring arm.

3500.069
65.



Day jumper
Tensioning the spring arm.

3500.068
66.

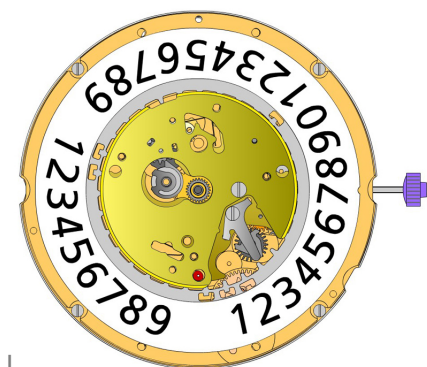


Date jumper

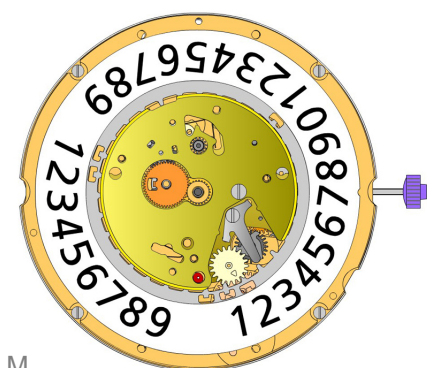
3504.234.AD.1.A
67.



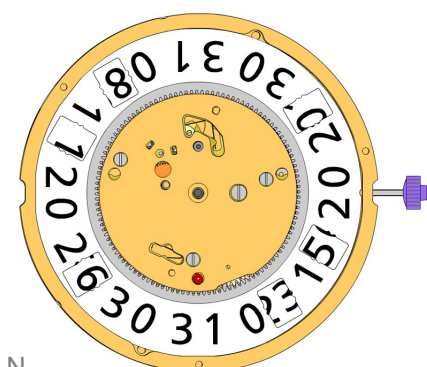
Units indicator (standard)
Nick of the indicator at 3 o'clock.








L












M







N

2130.192 68.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
4000.250 69.		Screw
3905.064 70.		Date jumper spring Insert the date jumper spring in the provided opening.
3907.047 71.		Day finger flange Stem pos III: Turn crown forwards until the date jumps. Stem pos II: Move the date until the nick is at 3 o'clock.
3004.211 72.		Day finger Position the end of the teeth against the day came pinion while turning softly in counterclockwise direction.

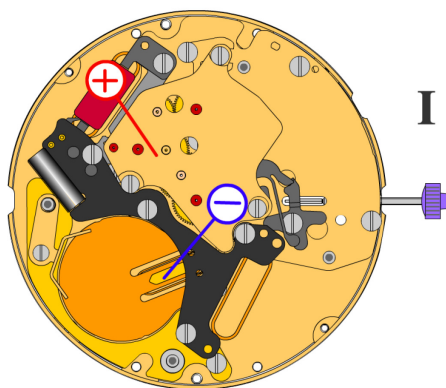
3004.212 73.		Days driving wheel Insert the tooth of the wheel in the flange gap, while turning softly in counterclockwise direction to ensure correct position of the day finger.
3401.082.FI 74.		Day indicator pinion
3147.062 75.		Tens intermediate wheel Arrow positioning radially outwards.
3315.003 76.		Friction spring
3504.231.AD.1.A 77.		Tens indicator (standard) Nick of the indicator at 3 o'clock.

2130.193.G 78.		Date mechanism maintaining plate (12h) Date mechanism maintaining plate held by 3 screws 4000.320.
4000.320 79.		Screw
3506.077.G 80.		Intermediate dial support Polished version first.
3506.076.G 81.		Dial support

8200 82.		Moebius 8200
9014 83.		Moebius 9014
124 84.		Jismaa 124
9020 85.		Moebius 9020

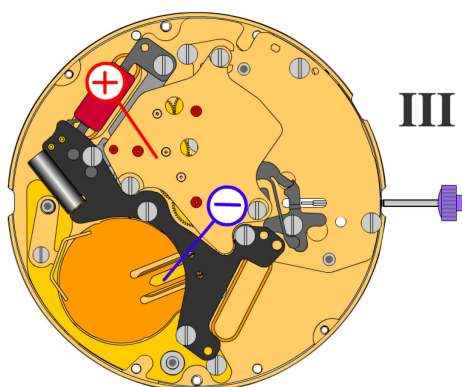


Battery	381
Voltage	1.55 V



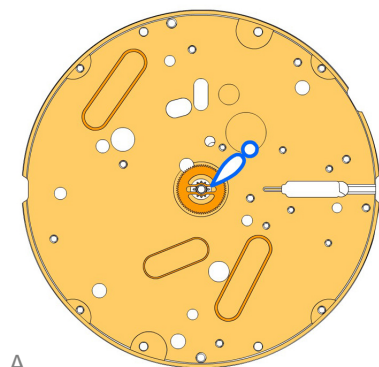
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.43 μA
Maximal consumption	3.10 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V

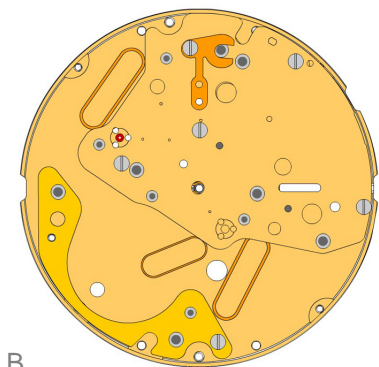


Setting stem in position III, 60 s measuring interval:

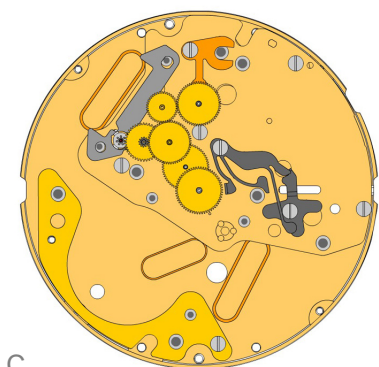
Typical consumption	0.10 μA
Maximal consumption	0.30 μA



A



B



C

2000.669.G

1.



Main Plate

3305.363.CO

2.



Cannon pinion with driver B (Aig.1)

2030.028.CO

3.



Centre bridge

Centre bridge held by 3 screws 4000.250.

4000.250

4.



Screw

3406.039

5.



Sliding attachment

Sliding attachment held by 1 screw 4000.250.

2130.181.CO

6.



Combined maintaining plate

Combined maintaining plate held by 1 screw 4000.250.

4000.250

7.



Screw

3016.028

8.



Lever for setting lever

Lever for setting lever held by 1 screw 4000.249.

4000.249

9.



Screw

3016.027

10.



Stop lever

Stop lever Position held by 1 screw 4000.249.

4000.249

11.



Screw

3622.044

12.



Stator

3715.105.RK

13.



Rotor

3147.060.CO

14.



Intermediate wheel

3122.070.CO

15.



Third wheel

3136.174.CO

16.



Centre second wheel (Aig.1)

3004.203.CO

17.



Seconde intermediate wheel

3136.182.CO

18.



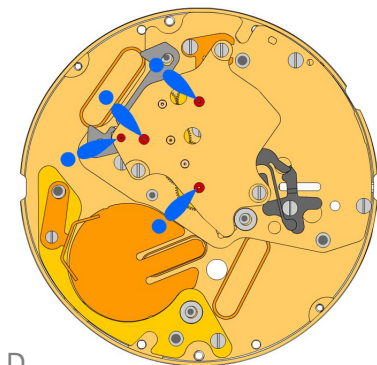
Small second wheel

3136.173.CO

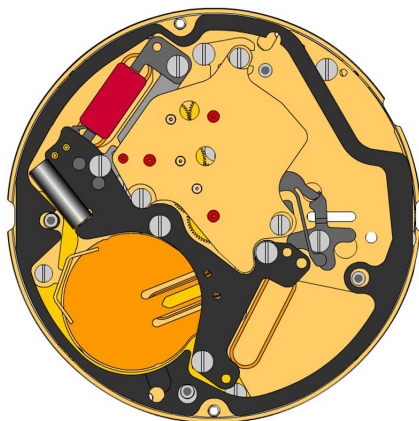
19.




Centre second wheel (Aig.1)



D




E

2020.170.G
20.  **Train wheel bridge**
Train wheel bridge held by 3 screws 4000.250.

4000.244
21.  **Screws**

3603.080
22.  **Battery insulator**

3601.120.G
23.  **Battery clamp +**
Battery clamp held by 1 screw 4000.248.

4000.248
24.  **Screw**

3503.071
25.  **Tube**

3612.196
26.  **Electronic module**
Electronic module held by 5 screws 4000.250.

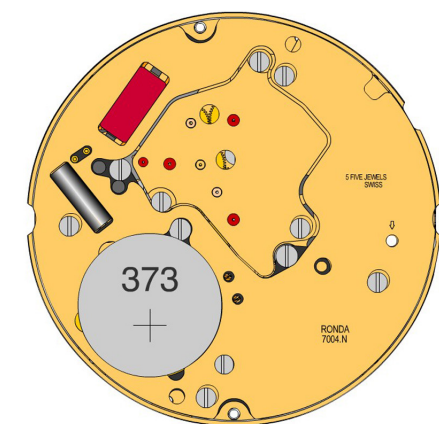
4000.250
27.  **Screw**

3603.081
28.  **Spacer**

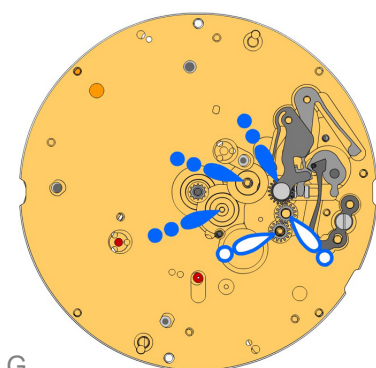
2130.183.G.M01.7004N
29.  **Electronic module cover**
Electronic module cover held by 4 screws 4000.244.

4000.244
30.  **Screws**

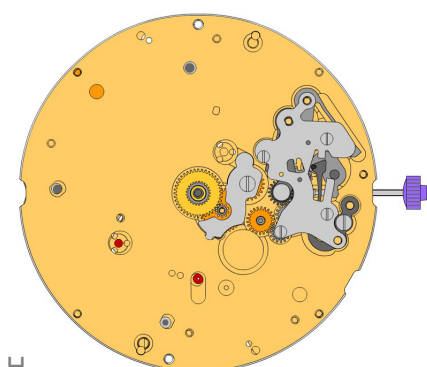
3600.032.HGF
31.  **Battery 381**














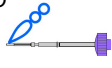






F

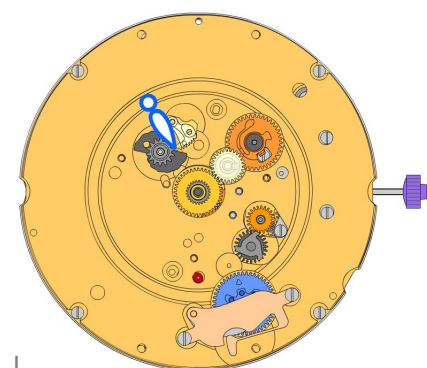
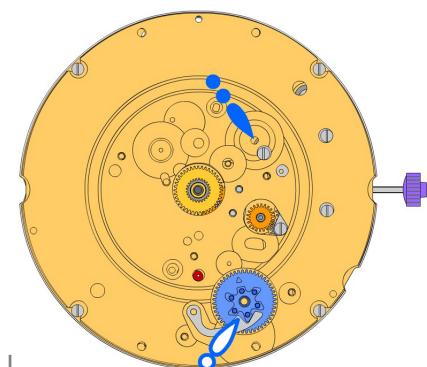






G

















H

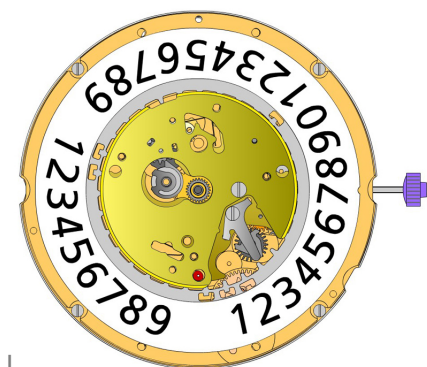
2000.669.G 32.		Main Plate
3017.054.CO 33.		Setting lever
3905.063 34.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.282.
4000.282 35.		Screw
3001.061.FI 36.		Sliding pinion
3015.077 37.		Yoke (3 positions) Tensioning the spring arm.
3004.200 38.		Corrector setting wheel
3004.200 39.		Corrector setting wheel
3015.078.CO 40.		Rocking bar (3 positions) Tensioning the spring arm.
2130.194 41.		Setting mechanism cover Setting mechanism cover held by 4 screws 4000.305.
4000.305 42.		Screws
3000.194.CO 43.		Stem
3004.204 44.		Intermediate setting wheel
3007.079.CO 45.		Minute wheel
2130.185 46.		Minute train bridge Minute train bridge held by 1 screw 4000.278.
4000.278 47.		Screw
3301.296.CO 48.		Hour wheel (Aig.1)
3147.066.CO 49.		Date corrector setting wheel



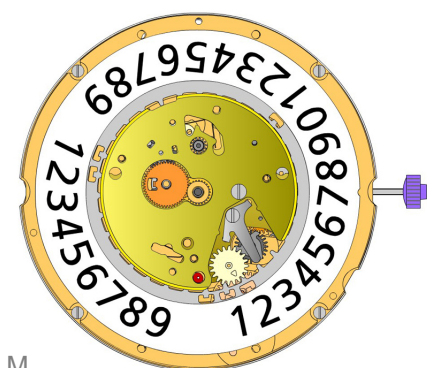
2000.672.G 50.		Main plate retro Main plate retro held by 4 screws 4000.248.
4000.248 51.		Screw
3004.220 52.		Tens indicator driving wheel The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 53.		Tens jumper

2130.187 54.		Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 55.		Screw
3004.208.CO 56.		Date indicator driving wheel
3147.061 57.		Intermediate date wheel
3404.006.CO 58.		Day cam (12h) Place parts as shown on graphics.
3406.032 59.		Day rack
3406.031 60.		Day rack lever
3507.059.CO 61.		Date corrector wheel

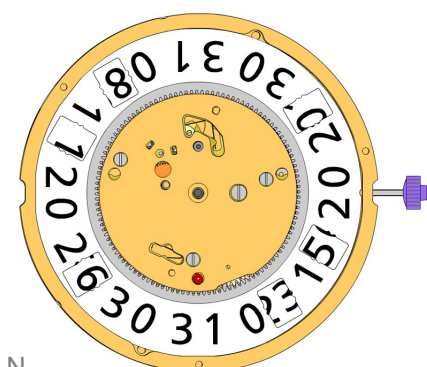
2130.191 62.		Date indicator plate
3905.068 63.		Date corrector spring Date corrector spring held by 1 screw 4000.244.
3905.066 64.		Day rack lever spring Tensioning the spring arm.
3500.069 65.		Day jumper Tensioning the spring arm.
3500.068 66.		Date jumper
3504.234.AD.1.A 67.		Units indicator (standard) Nick of the indicator at 3 o'clock.








L












M







N

2130.192 68.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
4000.250 69.		Screw
3905.064 70.		Date jumper spring Insert the date jumper spring in the provided opening.
3907.047 71.		Day finger flange Stem pos III: Turn crown forwards until the date jumps. Stem pos II: Move the date until the nick is at 3 o'clock.
3004.211 72.		Day finger Position the end of the teeth against the day came pinion while turning softly in counterclockwise direction.

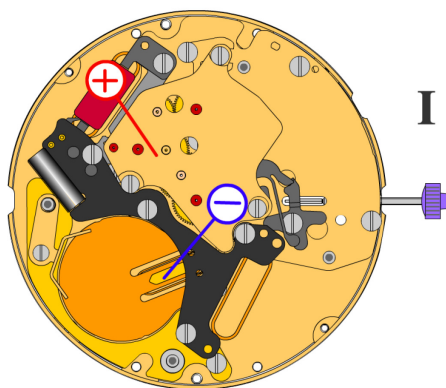
3004.212 73.		Days driving wheel Insert the tooth of the wheel in the flange gap, while turning softly in counterclockwise direction to ensure correct position of the day finger.
3401.082.FI 74.		Day indicator pinion
3147.062 75.		Tens intermediate wheel Arrow positioning radially outwards.
3315.003 76.		Friction spring
3504.231.AD.1.A 77.		Tens indicator (standard) Nick of the indicator at 3 o'clock.

2130.193.G 78.		Date mechanism maintaining plate (12h) Date mechanism maintaining plate held by 3 screws 4000.320.
4000.320 79.		Screw
3506.077.G 80.		Intermediate dial support Polished version first.
3506.076.G 81.		Dial support

8200 82.		Moebius 8200
9014 83.		Moebius 9014
124 84.		Jismaa 124
9020 85.		Moebius 9020

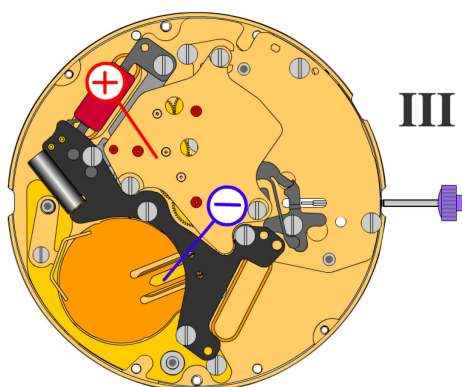


Battery	381
Voltage	1.55 V



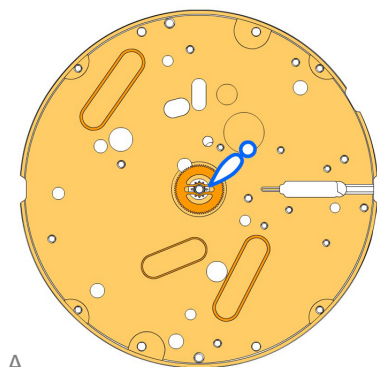
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.43 μA
Maximal consumption	3.10 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V

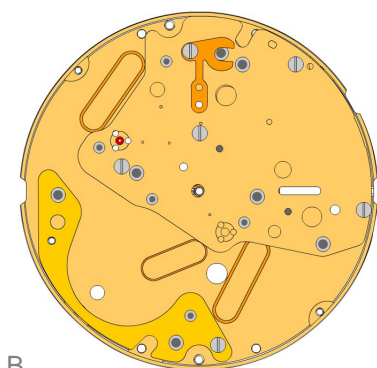


Setting stem in position III, 60 s measuring interval:

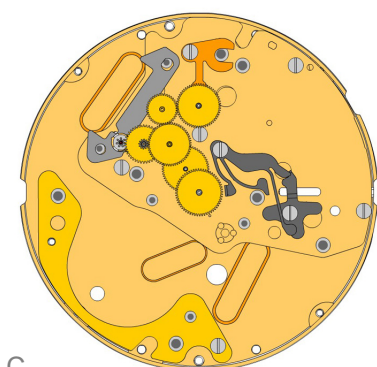
Typical consumption	0.10 μA
Maximal consumption	0.30 μA



A



B



C

2000.669.G

1.



Main Plate

3305.363.CO

2.



Cannon pinion with driver B (Aig.1)

2030.028.CO

3.



Centre bridge

Centre bridge held by 3 screws 4000.250.

4000.250

4.



Screw

3406.039

5.



Sliding attachment

Sliding attachment held by 1 screw 4000.250.

2130.181.CO

6.



Combined maintaining plate

Combined maintaining plate held by 1 screw 4000.250.

4000.250

7.



Screw

3016.028

8.



Lever for setting lever

Lever for setting lever held by 1 screw 4000.249.

4000.249

9.



Screw

3016.027

10.



Stop lever

Stop lever Position held by 1 screw 4000.249.

4000.249

11.



Screw

3622.044

12.



Stator

3715.105.RK

13.



Rotor

3147.060.CO

14.



Intermediate wheel

3122.070.CO

15.



Third wheel

3136.174.CO

16.



Centre second wheel (Aig.1)

3004.203.CO

17.



Seconde intermediate wheel

3136.182.CO

18.



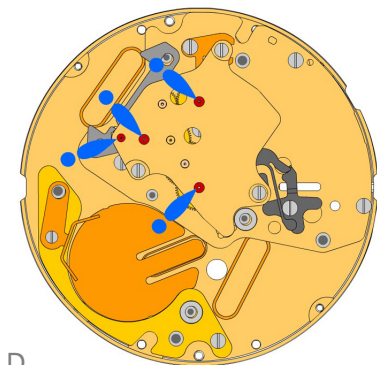
Small second wheel

3136.173.CO

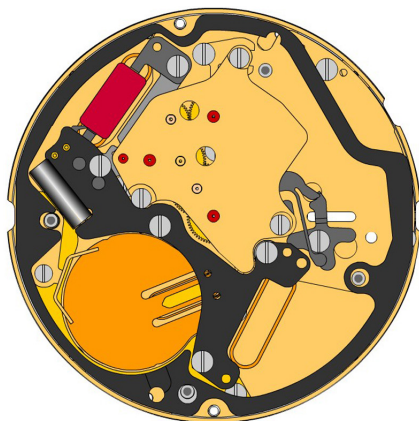
19.




Centre second wheel (Aig.1)



D




E

2020.170.G
20.  **Train wheel bridge**
Train wheel bridge held by 3 screws 4000.250.

4000.244
21.  **Screws**

3603.080
22.  **Battery insulator**

3601.120.G
23.  **Battery clamp +**
Battery clamp held by 1 screw 4000.248.

4000.248
24.  **Screw**

3503.071
25.  **Tube**

3612.196
26.  **Electronic module**
Electronic module held by 5 screws 4000.250.

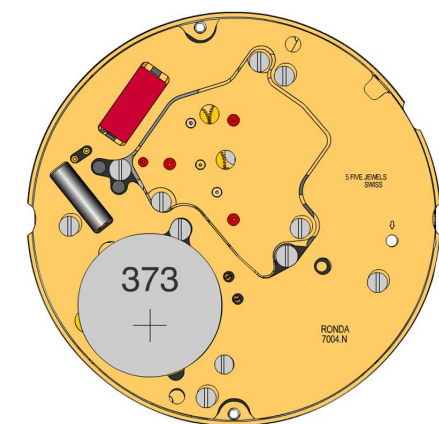
4000.250
27.  **Screw**

3603.081
28.  **Spacer**

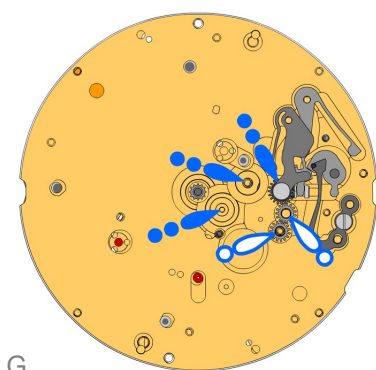
2130.183.G.M01.7004N
29.  **Electronic module cover**
Electronic module cover held by 4 screws 4000.244.

4000.244
30.  **Screws**

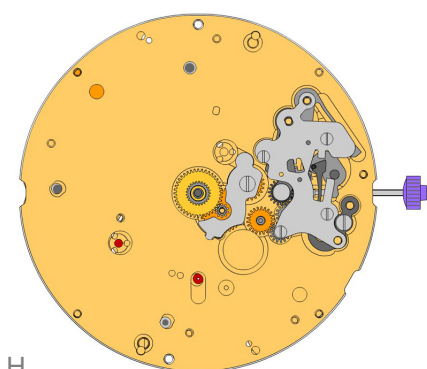
3600.032.HGF
31.  **Battery 381**














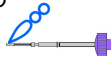






F

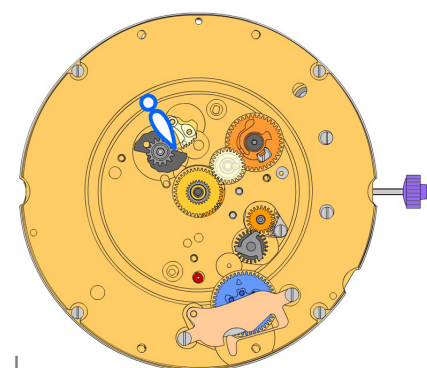
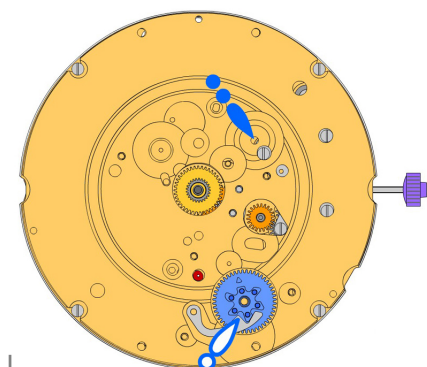






G

















H

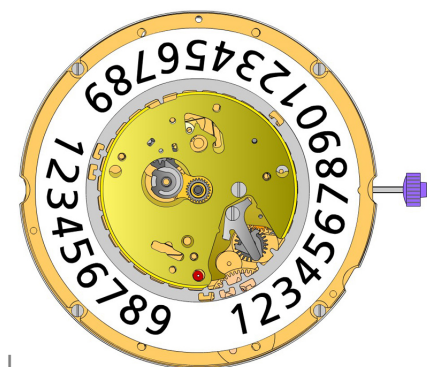
2000.669.G 32.		Main Plate
3017.054.CO 33.		Setting lever
3905.063 34.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.282.
4000.282 35.		Screw
3001.061.FI 36.		Sliding pinion
3015.077 37.		Yoke (3 positions) Tensioning the spring arm.
3004.200 38.		Corrector setting wheel
3004.200 39.		Corrector setting wheel
3015.078.CO 40.		Rocking bar (3 positions) Tensioning the spring arm.
2130.194 41.		Setting mechanism cover Setting mechanism cover held by 4 screws 4000.305.
4000.305 42.		Screws
3000.194.CO 43.		Stem
3004.204 44.		Intermediate setting wheel
3007.079.CO 45.		Minute wheel
2130.185 46.		Minute train bridge Minute train bridge held by 1 screw 4000.278.
4000.278 47.		Screw
3301.296.CO 48.		Hour wheel (Aig.1)
3147.066.CO 49.		Date corrector setting wheel



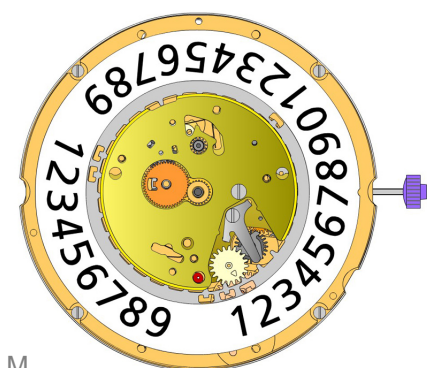
2000.672.G 50.		Main plate retro Main plate retro held by 4 screws 4000.248.
4000.248 51.		Screw
3004.220 52.		Tens indicator driving wheel The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 53.		Tens jumper

2130.187 54.		Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 55.		Screw
3004.208.CO 56.		Date indicator driving wheel
3147.061 57.		Intermediate date wheel
3404.006.CO 58.		Day cam (12h) Place parts as shown on graphics.
3406.032 59.		Day rack
3406.031 60.		Day rack lever
3507.059.CO 61.		Date corrector wheel

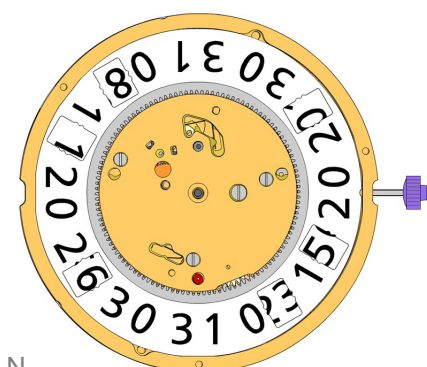
2130.191 62.		Date indicator plate
3905.068 63.		Date corrector spring Date corrector spring held by 1 screw 4000.244.
3905.066 64.		Day rack lever spring Tensioning the spring arm.
3500.069 65.		Day jumper Tensioning the spring arm.
3500.068 66.		Date jumper
3504.234.AD.1.A 67.		Units indicator (standard) Nick of the indicator at 3 o'clock.




















L

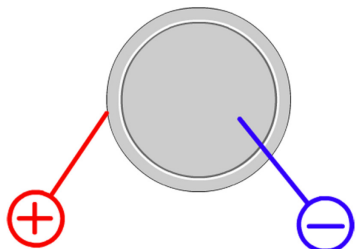


M

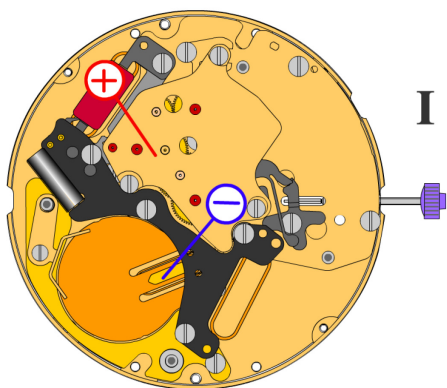


N

2130.192 68.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
4000.250 69.		Screw
3905.064 70.		Date jumper spring Insert the date jumper spring in the provided opening.
3004.244 71.		Day finger Stem pos III: Turn crown forwards until the date jumps. Stem pos II: Move the date until the nick is at 3 o'clock. Position the end of the teeth against the day came pinion while turning softly in counterclockwise direction.
3004.212 72.		Days driving wheel Insert the tooth of the wheel in the flange gap, while turning softly in counterclockwise direction to ensure correct position of the day finger.
3401.082.FI 73.		Day indicator pinion
3147.062 74.		Tens intermediate wheel Arrow positioning radially outwards.
3315.003 75.		Friction spring
3504.231.AD.1.A 76.		Tens indicator (standard) Nick of the indicator at 3 o'clock.
2130.193.G 77.		Date mechanism maintaining plate (12h) Date mechanism maintaining plate held by 3 screws 4000.320.
4000.320 78.		Screw
3506.077.G 79.		Intermediate dial support Polished version first.
3506.076.G 80.		Dial support
8200 81.		Moebius 8200
9014 82.		Moebius 9014
124 83.		Jismaa 124
9020 84.		Moebius 9020

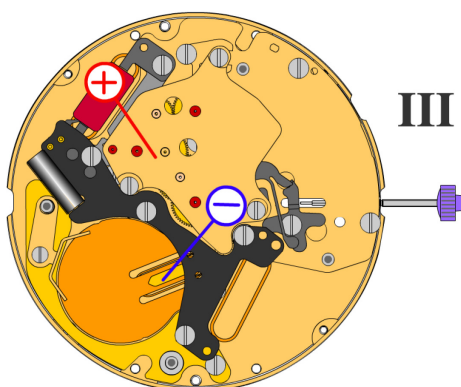


Battery	381
Voltage	1.55 V



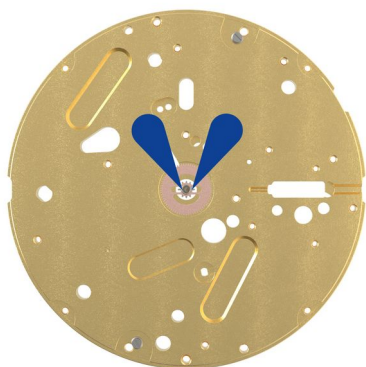
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*




Typical consumption	1.43 μA
Maximal consumption	3.10 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V

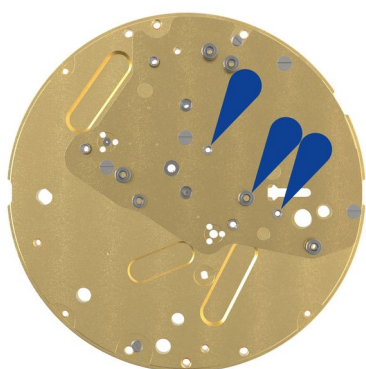








Setting stem in position III, 60 s measuring interval:

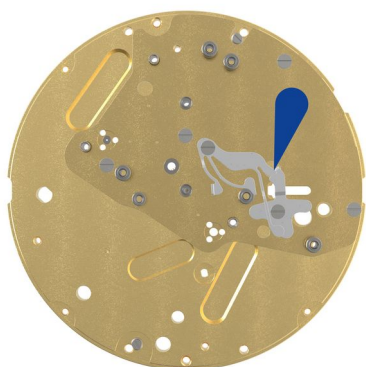
Typical consumption	0.10 μA
Maximal consumption	0.30 μA








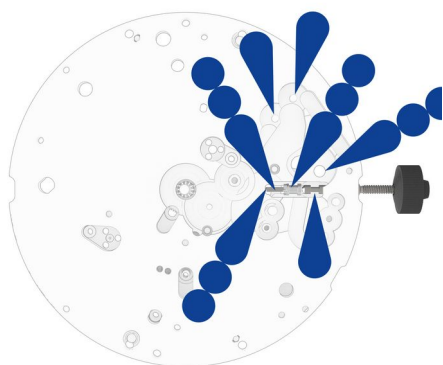
- | | | | |
|---|---|-------------|-----------------------|
| 1 |  | 2000.669.G | Main plate under side |
| 2 |  | 3305.363.CO | Cannon pinion (Aig.) |
| 3 |  | 8200 | Moebius 8200 |






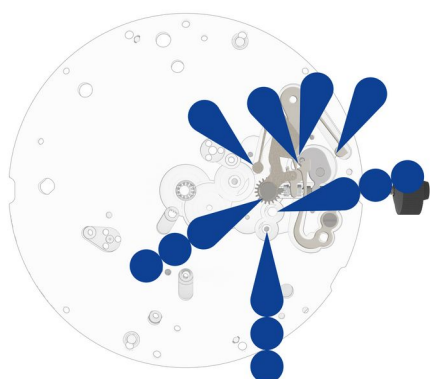
- | | | | |
|---|---|-------------|---------------|
| 4 |  | 2030.028.CO | Center bridge |
| 5 |  | 4000.250 | Screw |
| 6 |  | 4000.250 | Screw |
| 7 |  | 4000.250 | Screw |
| 8 |  | 4000.250 | Screw |
| 9 |  | 8200 | Moebius 8200 |









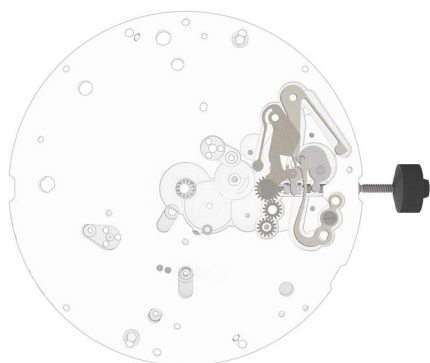
- | | | | |
|----|---|----------|-------------------------|
| 10 |  | 3016.027 | Stop lever |
| 11 |  | 4000.249 | Screw |
| 12 |  | 3016.028 | Lever for setting lever |
| 13 |  | 4000.249 | Screw |
| 14 |  | 8200 | Moebius 8200 |




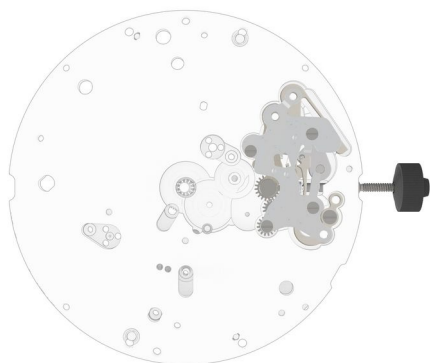
- | | | | |
|----|---|-------------|-----------------------------|
| 15 |  | 3001.061.FI | Sliding pinion |
| 16 |  | 3000.194.CO | Working stem (dual) |
| 17 |  | 8200 / 9020 | Moebius 8200 / Moebius 9020 |








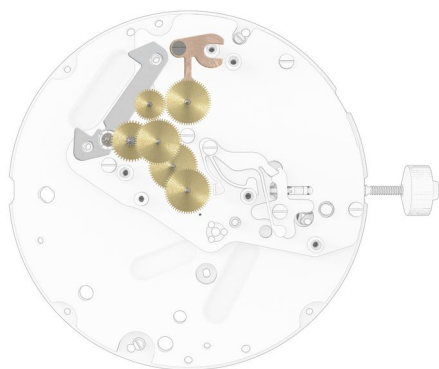
- | | | | |
|----|---|-------------|---|
| 18 |  | 3017.054.CO | Setting lever |
| 19 |  | 3015.077 | Yoke
Tensioning the spring arm. |
| 20 |  | 3905.063 | Setting lever jumper |
| 21 |  | 4000.282 | Screw |
| 22 |  | 3015.078.CO | Hand setting pinion rocking bar
Tensioning the spring arm. |
| 23 |  | 8200 / 9020 | Moebius 8200 / Moebius 9020 |













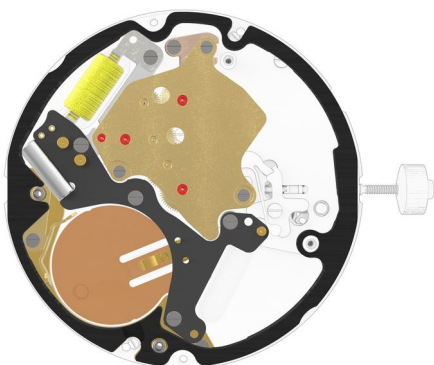
- | | | | |
|----|---|----------|-------------------------|
| 24 |  | 3004.200 | Corrector setting wheel |
| 25 |  | 3004.200 | Corrector setting wheel |





























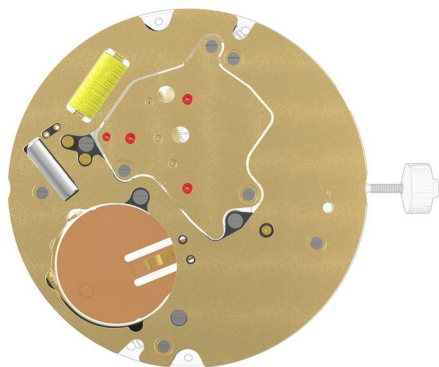
26		2130.194	Setting mechanism cover
27		4000.305	Screw
28		4000.305	Screw
29		4000.305	Screw
30		4000.305	Screw




31		3406.039	Sliding attachment
32		4000.250	Screw
33		3715.105.RK	Rotor
34		3622.044	Stator
35		3136.182.CO	Small second wheel (Aig.)
36		3004.203.CO	Reverse wheel
37		3147.060.CO	Intermediate wheel
38		3122.070.CO	Third wheel
39		3136.173.CO	Second wheel (Aig.)
40		3136.174.CO	Center second wheel (Aig.)




41		2020.170.G	Train wheel bridge
42		4000.244	Screw
43		4000.244	Screw
44		9014	Moebius 9014
45		2130.181.CO	Combined maintaining plate
46	 	4000.250	Screw
47		3601.120.G	Battery clamp (+)
48	 	4000.248	Screw
49		3603.080	Battery insulator
50	 	3503.071	Tube
51	 	3503.071	Tube
52		3612.196.RK	Electronic module
53	 	4000.250	Screw
54	 	4000.250	Screw
55	 	4000.250	Screw
56	 	4000.250	Screw
57	 	4000.250	Screw




58  3603.081 Spacer

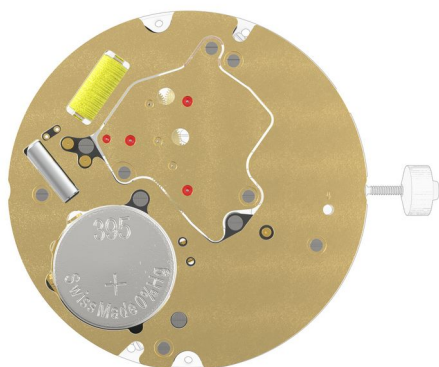
59  2130.183.G.M01.7004.N Electronic modul cover

60  4000.244 Screw

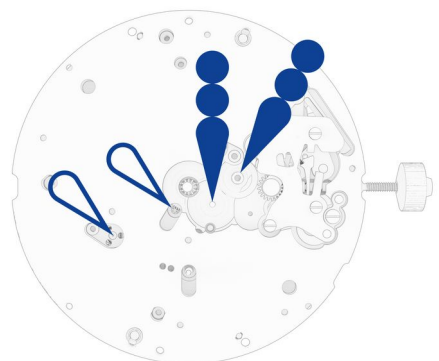
61  4000.244 Screw

62  4000.244 Screw

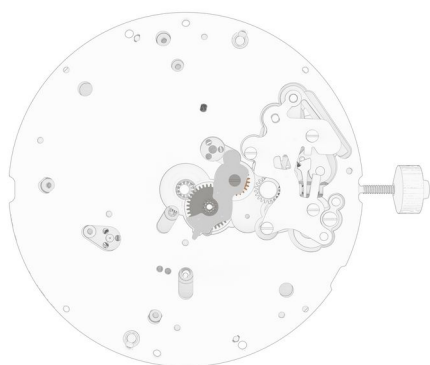
63  4000.244 Screw





64  3600.032.HGF Battery 381 (Ø 11.60 x 2.05)




65  9014 / 9020 Moebius 9014 / Moebius 9020

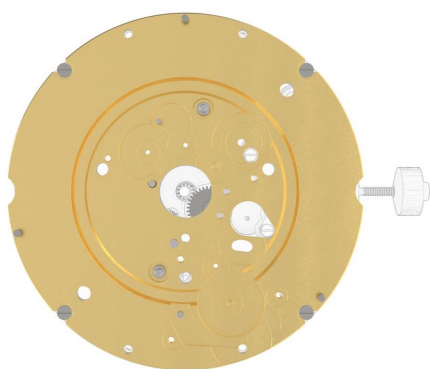



66  3004.204 Intermediate setting wheel


67  3007.079.CO Minute wheel


68  2130.185 Minute train bridge


69  4000.278 Screw




70  2000.672.G Main plate retro


71  4000.248 Screw

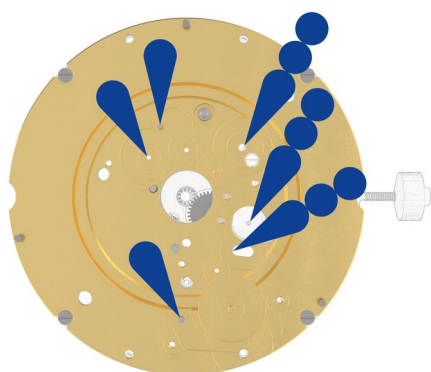
72  4000.248 Screw

73  4000.248 Screw

74  4000.248 Screw



75  9020 Moebius 9020

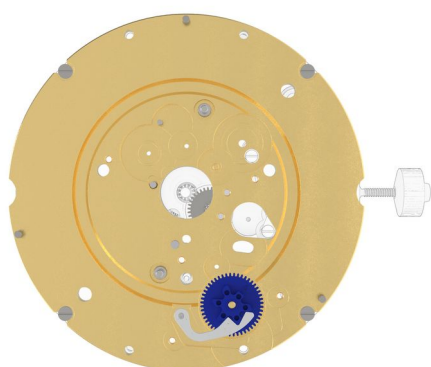


76



8200 / 9020

Moebius 8200 / Moebius 9020



77



3004.220

Tens indicator driving wheel

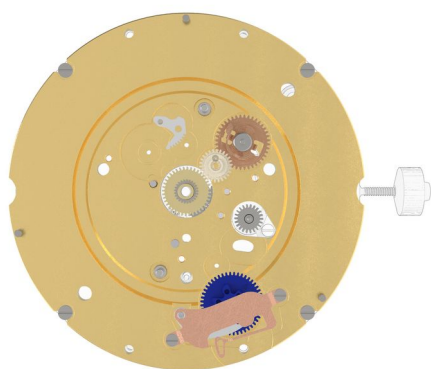
The short tooth of the tens indicator driving wheel must point to the center of the movement.

78



3500.072

Tens jumper



79



2130.187

Tens jumper maintaining plate

Tensioning the spring arm.

80



4000.279

Screw

81



4000.279

Screw

82



3004.208.CO

Date indicator driving wheel

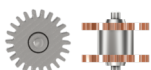
83



3147.061

Intermediate date wheel

84



3147.066.CO

Date corrector setting wheel

85



3301.296.CO

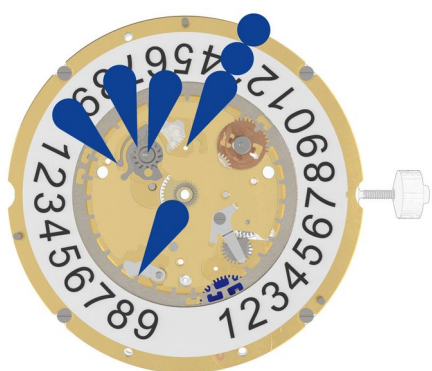
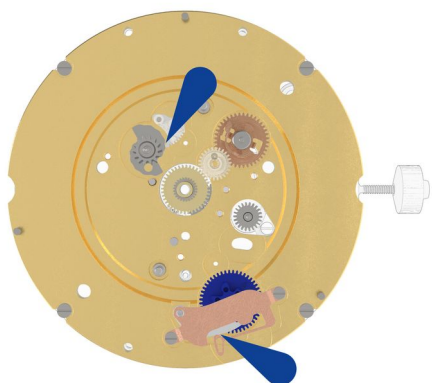
Hour wheel retro (Aig.)












86



3406.032


Day rack





87		3406.031	Day rack lever
88		3404.006.CO	Day cam Place parts as shown on graphics.
89		8200	Moebius 8200
90		3504.234.AD.1.A	Units indicator (T3, G6) Nick of the indicator at 3 o'clock.
91		2130.191	Date indicator plate
92		3507.059.CO	Date corrector wheel
93		3905.068	Date corrector spring
94		4000.244	Screw
95		3500.068	Date jumper
96		3500.069	Day jumper
97		8200 / 9020	Moebius 8200 / Moebius 9020




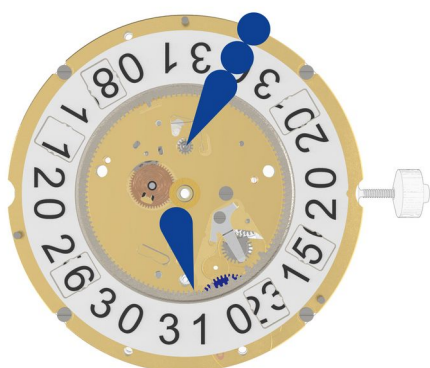
98  2130.192 Date maintaining plate

99  4000.250 Screw


100  3905.066 Days rack lever spring
Tensioning the spring arm.


101  3905.064 Date jumper spring
Insert the date jumper spring in the previous opening.


102  3004.244 Day finger




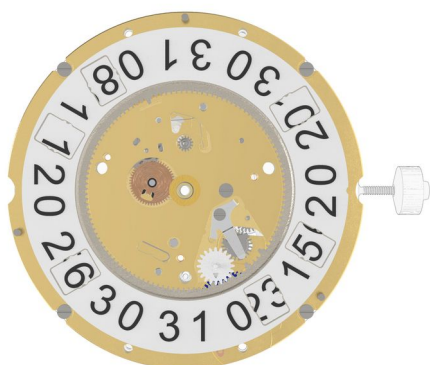
103  3004.212 Days driving wheel


104  3315.003 Friction spring

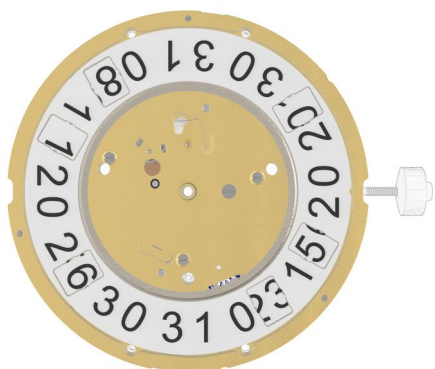
105  3401.082.FI Day indicator pinion







106  3504.231.AD.1.A Tens indicator (T3, G6)
Nick of the indicator at 3 o'clock.

107  8200 / 9020 Moebius 8200 / Moebius 9020

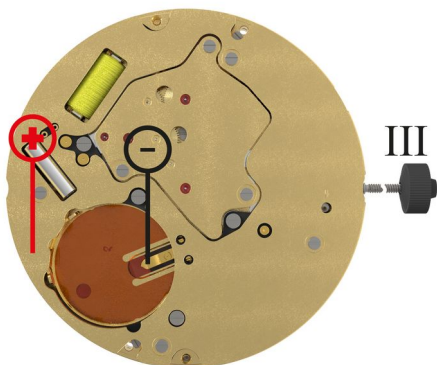


108  3147.062 Tens Intermediate wheel

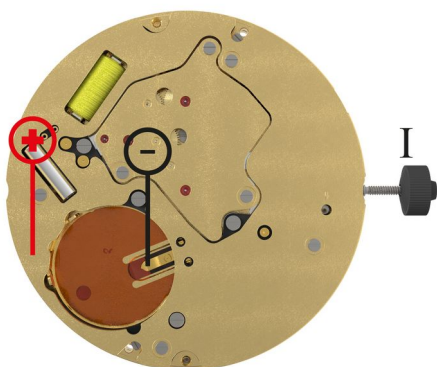


109		2130.193.G	Date mecanism maintaining plate
110		4000.320	Screw
111		4000.320	Screw
112		4000.320	Screw
113		3506.077.G Polished version first.	Intermediate Dial support
114		3506.076.G	Dial support

Measurement



Setting stem in position III, 60 s measuring interval.
(typ./max.) 0.10 / 0.30 μ A



Setting stem in position I, calendar not in gear, 60s measuring interval.

(typ./max.) 1.48 / 2.00 μ A

60s measuring interval

-10 .. +20s/mth

Lower working voltage limit

<1.20 V



Voltage

typ. 1.5V