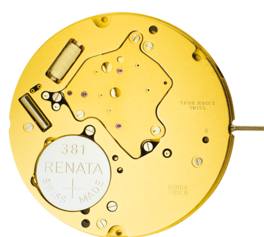


# RONDA mastertech 7000

XXL Multifunctions,  
Retrograde and Big Date

*Caliber 7004.B – 15'''*



## Product Specifications

Analog quartz movement

Line mastertech

Caliber 7004.B

Size 15'''

Version Swiss Made 6 Jewels / gold plated

Standard battery life 48 months

Hand fitting height 1

## Features

- Very long battery life
- Repairable metal watch movement
- Power saving mechanism with pulled out stem: Reduction of consumption approximately 70%

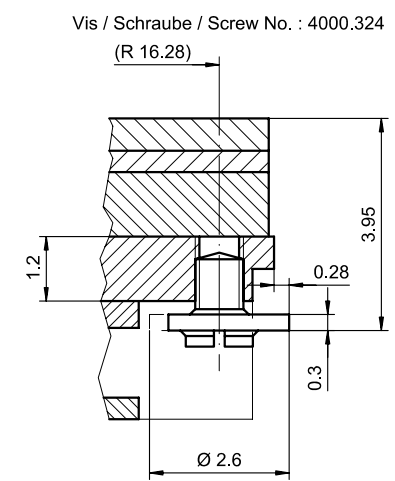
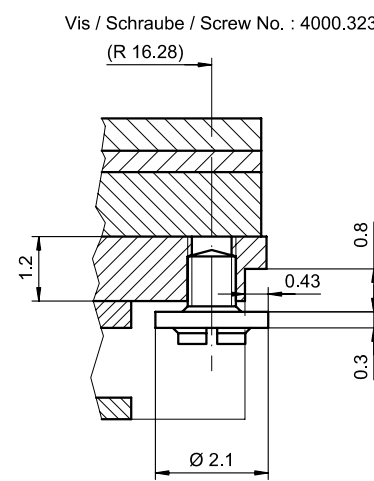
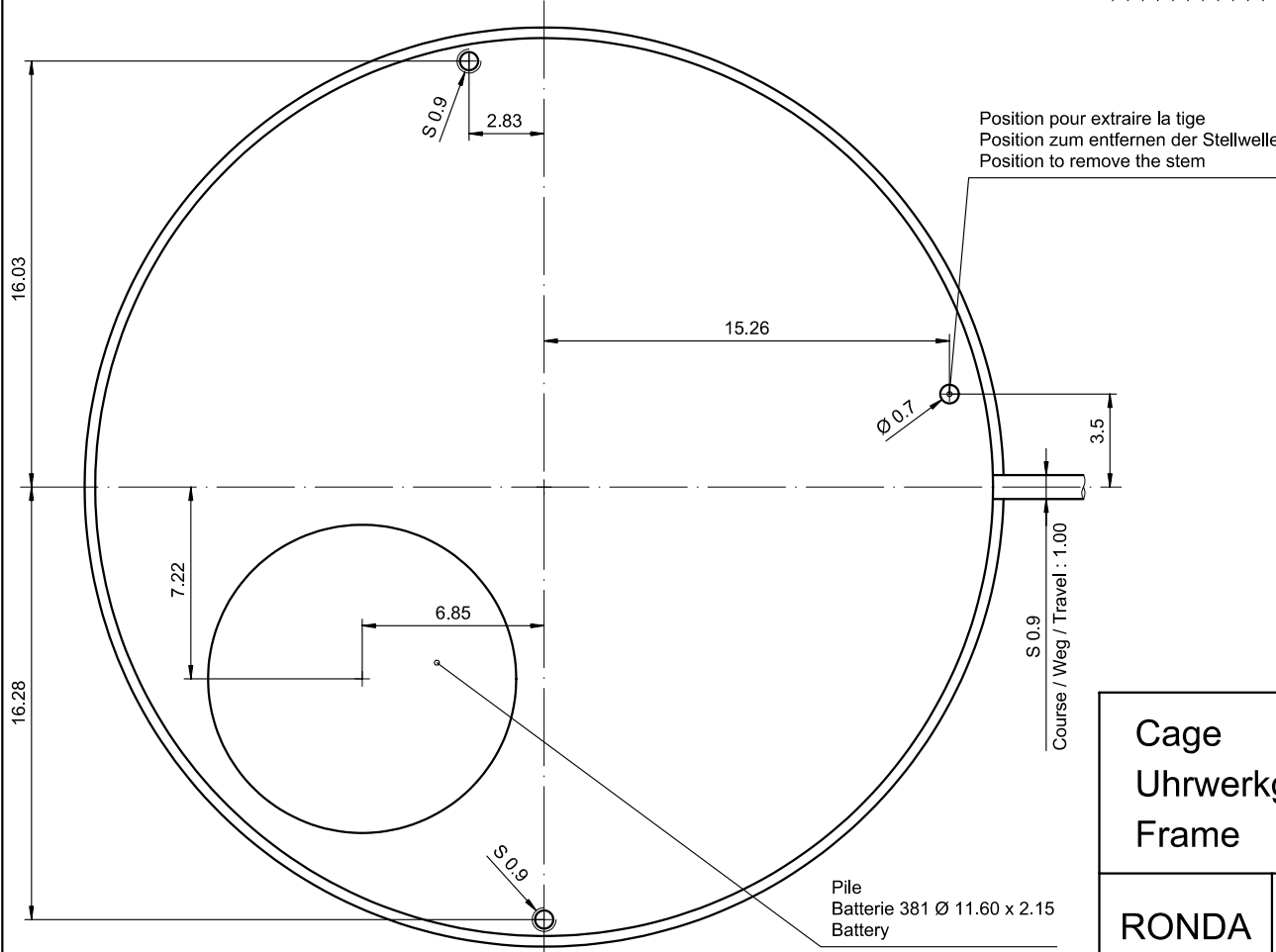
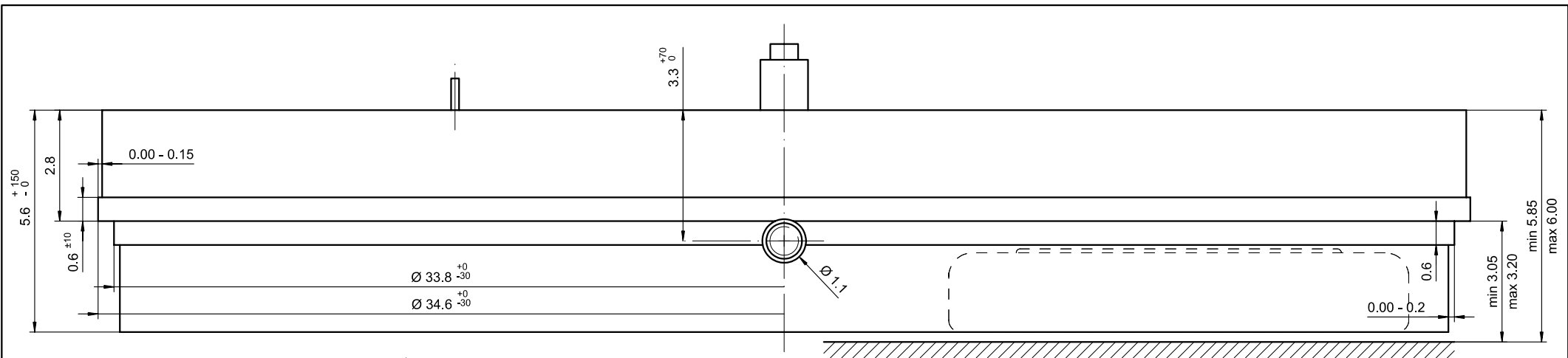
**Functions**

- Big date
- Small second
- 2 hands

**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
Standard battery	381
Standard battery life	48 months
Battery voltage	1.5 V
Current consumption – typical	1.43 $\mu$ A (Date Mechanism not in Gear)
Current consumption – maximum	3.1 $\mu$ A (Date Mechanism not in Gear)
Useful torque second – typical	10 $\mu$ Nm
Useful torque minute – typical	500 $\mu$ 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

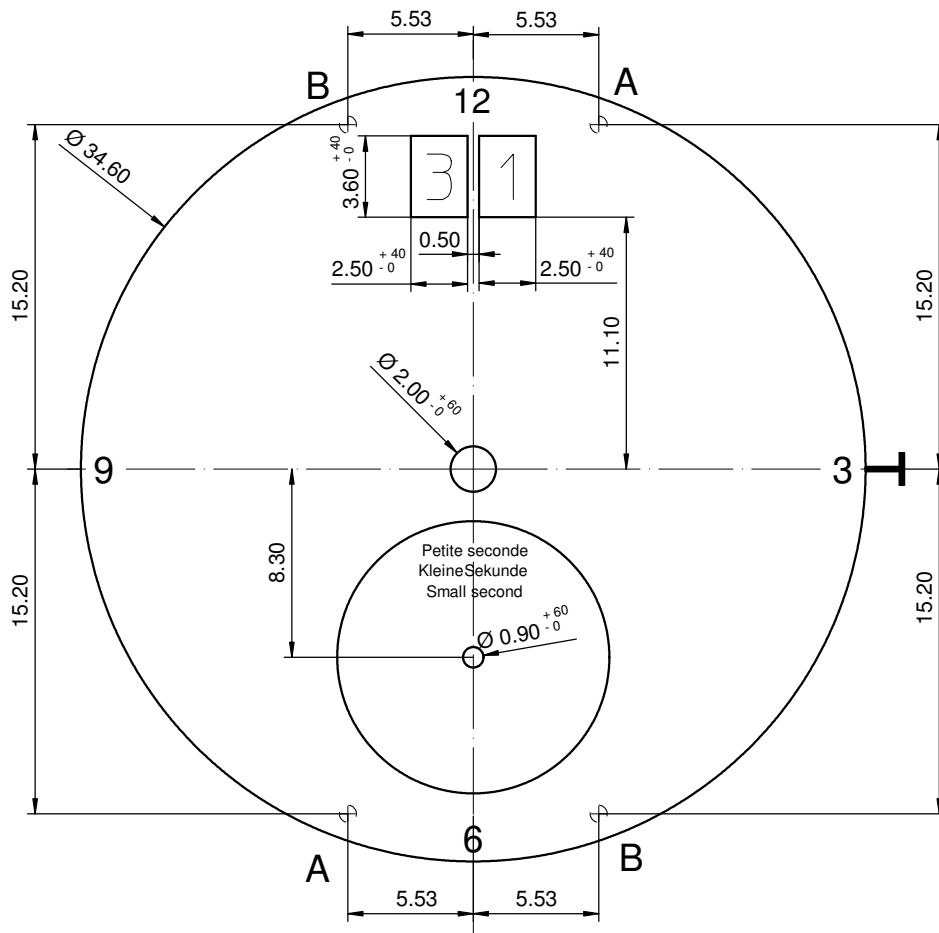




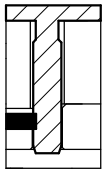
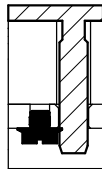
Sécurité entre l'aiguille des seconde et le verre : min 0.50 mm  
 Sicherheit zwischen Sekundenzeiger und Glas : min 0.50 mm  
 Security between second hand and glass : min 0.50 mm

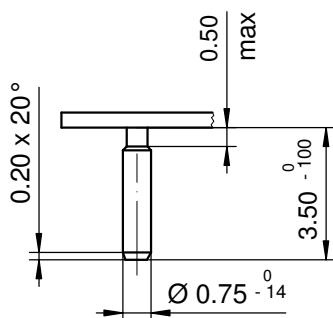
Le cadran doit être tenu par la boîte.  
 Das Zifferblatt muss durch die Schale gehalten werden.  
 The dial must be hold by the case.

<b>Cage</b> <b>Uhrwerkgestell</b> <b>Frame</b>	15'''	
	Issued	22 Aug 2007 dh
	Modified	08.02.2010 dh AA 7724
	Released	YES
	Tolerance	+/- 20 µm
Scale	10 : 1 (5 : 1) (A3H)	
<b>RONDA</b>	<b>7004.B</b>	
	Sous réserve de modifications Änderungen vorbehalten Modifications reserved	
	No. 5000.366	01



Disponibles positions pour pieds de cadran / Available dial feet positions / Verfügbare Zifferblatfußpositionen

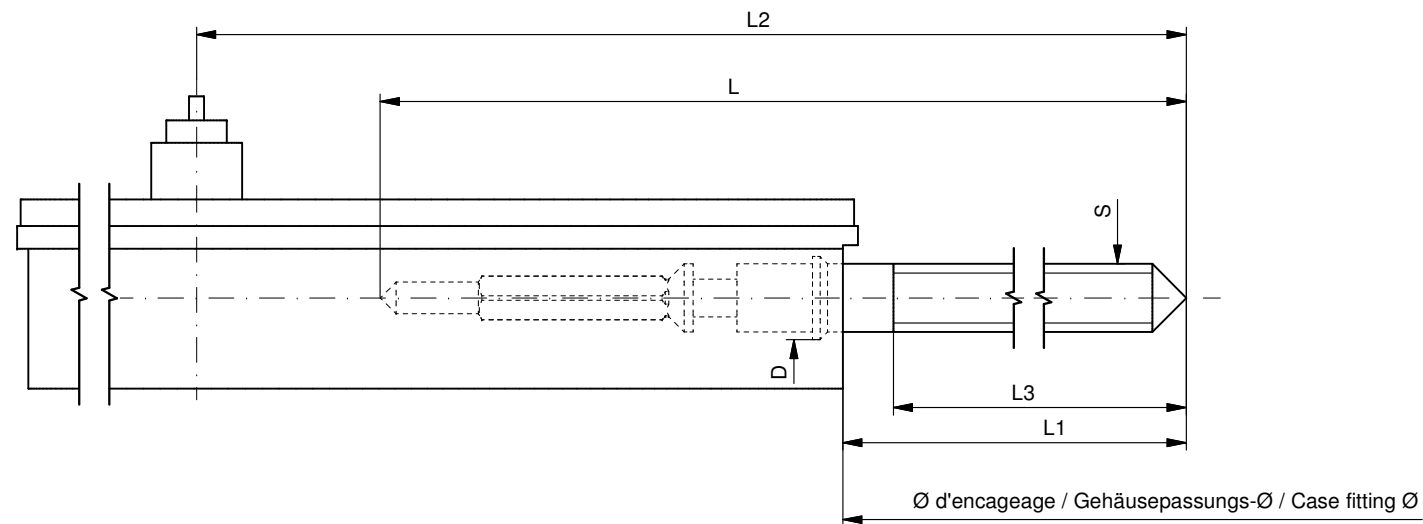
A Pos 1h / 7h	B Pos 5h / 11h
 <p>Fixation du cadran avec rondelle en plastique Dial fixation by plastic disc Zifferblattbefestigung durch Kunststoffscheibe</p>	 <p>Fixation du cadran avec clef de cadran Dial fixation by dial - key Zifferblattbefestigung durch Zifferblattschlüssel</p>



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

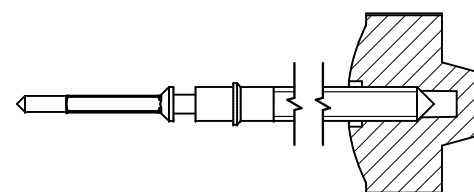
Tige	Date
Stellw.	Datum
Stem	Date
<b>3H</b>	<b>12H</b>

<b>Cadran</b> <b>Zifferblatt</b> <b>Dial</b>	<b>15"</b>	Issued	28 Jun 2007	fl
		Modified	26 Nov 2012 ÄA 10475	dh
		Released	YES	
		Tolerance	+/- 20 µm	
		Scale	3 : 1 (A4V)	
<b>RONDA</b>	<b>7004.B</b>	Sous réserve de modifications Aenderungenvorbehalten Modifications reserved		
		No.	5010.636	01



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

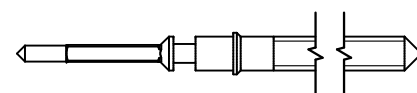
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.194.CO	21.30	10.74	27.64	10.15	0.90	1.10



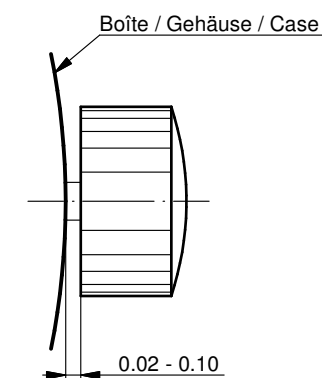
Couleur de la couronne Kronenfarbe Crown color	violet violett purple
Code	UN 5046

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 normale  
 Normale Krone  
 Normal crown

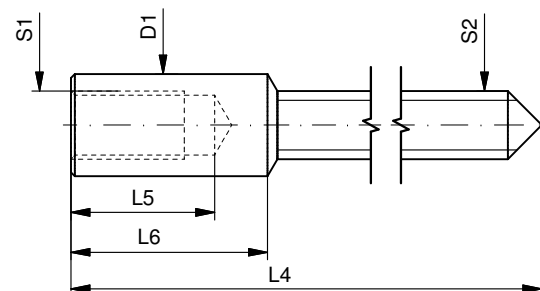


Couronne vissée  
 Geschraubte Krone  
 Screwed crown

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
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# 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 – 6003.B  
– 705 – 6004.B  
– 784  
– 785  
– 714  
– 715  
– 715Li

### RONDA mastertech

– 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

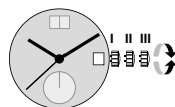
Cal. 505

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.

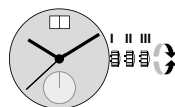
**Pos. III Setting the time**

- 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)

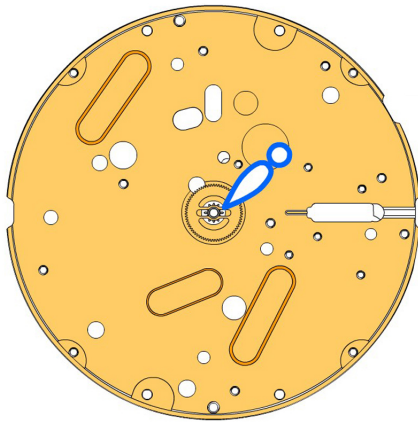
**Pos. II Quick-change correction for date**

*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.*

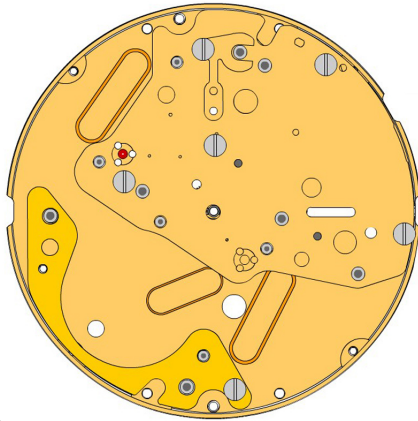
- Pull the crown out to position II (watch still running).
- Turn the crown until the current date appears.
- Push the crown back into position I.

**Pos. III Setting the time**

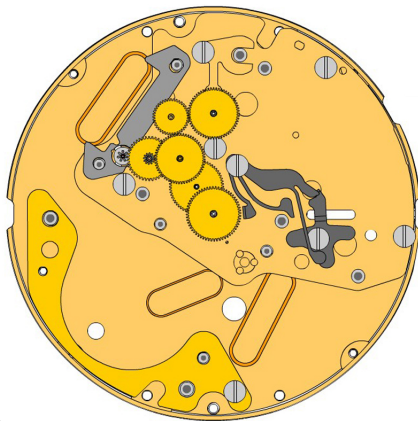
- Pull the crown out to position III (watch stopped).
- Turn the crown, until the current time is displayed (remember the 24-hour cycle).
- Push the crown back into position I.






















A

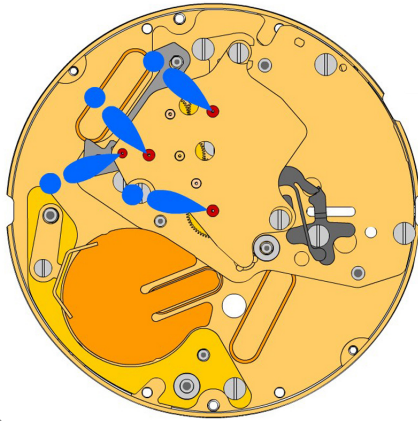


B



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**
**2020.170.G**  
**20.**

**Train wheel bridge**  
 Train wheel bridge held by 3 screws 4000.250.

**4000.244**  
**21.**

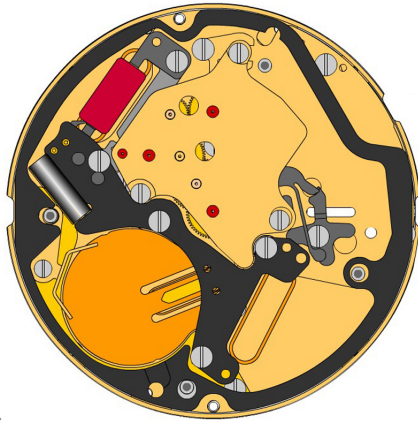
**Screws**
**3603.080**  
**22.**

**Battery insulator**
**3601.120.G**  
**23.**

**Battery clamp +**  
 Battery clamp held by 1 screw 4000.248.

**4000.248**  
**24.**

**Screw**
**3503.071**  
**25.**

**Tube**

**E**
**3612.196**  
**26.**

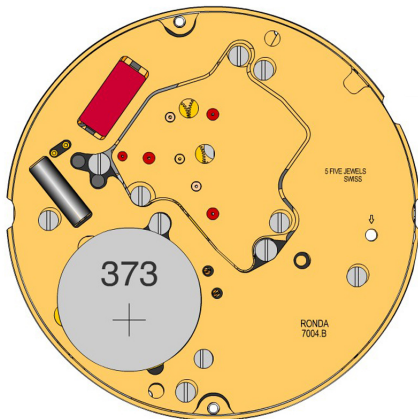
**Electronic module**  
 Electronic module held by 5 screws 4000.250.

**4000.250**  
**27.**

**Screw**
**3603.081**  
**28.**

**Spacer**
**4000.244**  
**29.**

**Screws**
**3600.032.HGF**  
**30.**

**Battery 381**

**F**
**2000.669.G**  
**31.**

**Main Plate**
**3017.054.CO**  
**32.**

**Setting lever**
**3905.063**  
**33.**

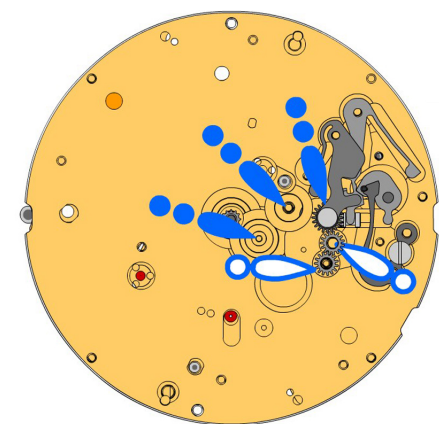
**Setting lever jumper (3 positions)**  
 Setting lever jumper held by 1 screw 4000.282.

**4000.282**  
**34.**

**Screw**
**3001.061.FI**  
**35.**

**Sliding pinion**



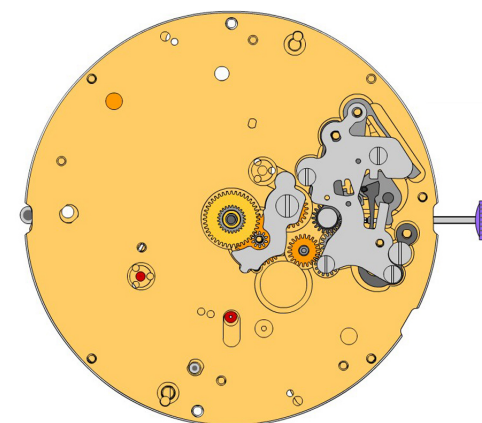

**G**


3015.077  
36.  **Yoke (3 positions)**  
Tensioning the spring arm.

3004.200  
37.  **Corrector setting wheel**

3004.200  
38.  **Corrector setting wheel**

3015.078.CO  
39.  **Rocking bar (3 positions)**  
Tensioning the spring arm.


**H**


2130.194  
40.  **Setting mechanism cover**  
Setting mechanism cover held by 4 screws 4000.305.

4000.305  
41.  **Screws**

3000.194.CO  
42.  **Stem**

3004.204  
43.  **Intermediate setting wheel**

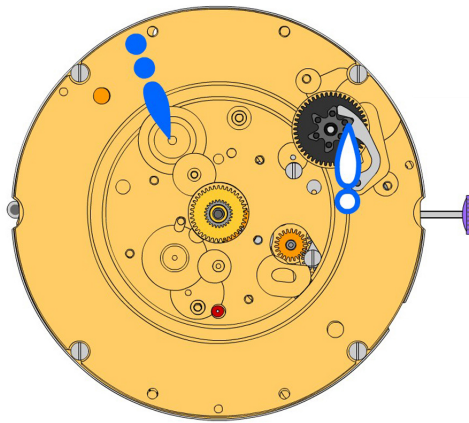
3007.079.CO  
44.  **Minute wheel**

2130.185  
45.  **Minute train bridge**  
Minute train bridge held by 1 screw 4000.278.

4000.278  
46.  **Screw**

3301.296.CO  
47.  **Hour wheel (Aig.1)**

3147.066.CO  
48.  **Date corrector setting wheel**



2000.671.G  
49.



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

4000.248  
50.



**Screw**

3004.209  
51.



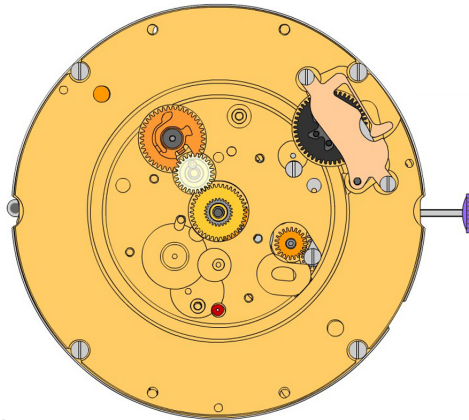
**Tens indicator driving wheel**  
The short tooth of the tens indicator driving wheel must point to the center of the movement.

3500.073  
52.



**Tens jumper**

I



2130.187  
53.



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

4000.279  
54.



**Screw**

3004.208.CO  
55.



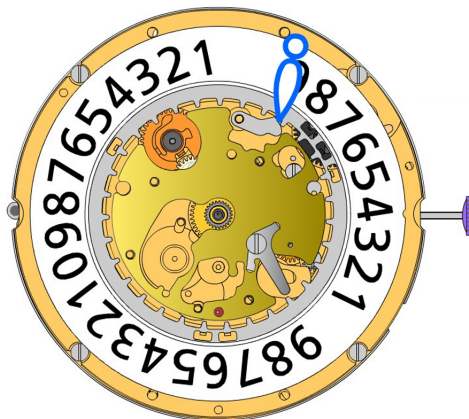
**Date indicator driving wheel**

3147.061  
56.



**Intermediate date wheel**

J



2130.188  
57.



**Date indicator plate**

3905.068  
58.



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

3905.066  
59.



**Day rack lever spring**  
Tensioning the spring arm.

3500.069  
60.



**Day jumper**  
Tensioning the spring arm.

3500.068  
61.



**Date jumper**

3504.229.AF.1.A  
62.



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


K



L


2130.189  
63.  **Date indicator maintaining plate**  
Date indicator maintaining plate held by 1 screw 4000.250.

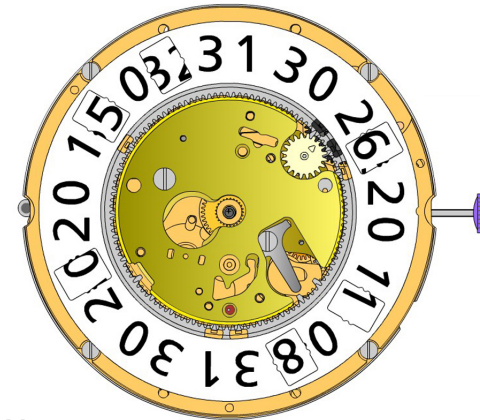
4000.250  
64.  **Screw**

3905.064  
65.  **Date jumper spring**  
Insert the date jumper spring in the provided opening.

3147.062  
66.  **Tens intermediate wheel**  
Arrow positioning radially outwards.

3315.003  
67.  **Friction spring**

3504.230.AF.1.A  
68.  **Tens indicator (standard)**  
Nick of the indicator at 3 o'clock.



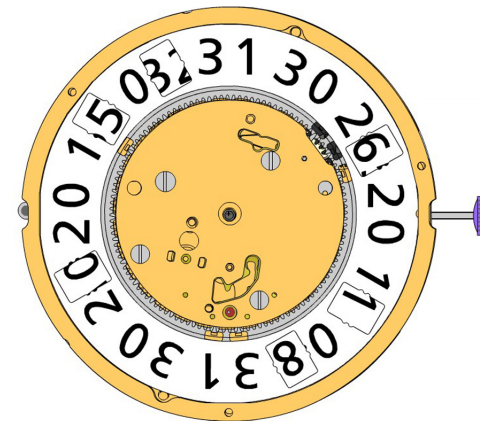
M

2130.190.G  
69.  **Date mechanism maintaining plate (12h)**  
Date mechanism maintaining plate held by 3 screws 4000.320.

4000.320  
70.  **Screw**

3506.077.G  
71.  **Intermediate dial support**  
Polished version first.

3506.076.G  
72.  **Dial support**



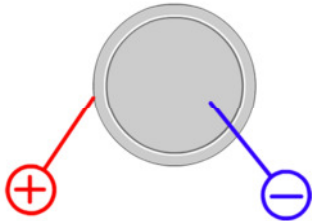
N

8200  
73.  **Moebius 8200**

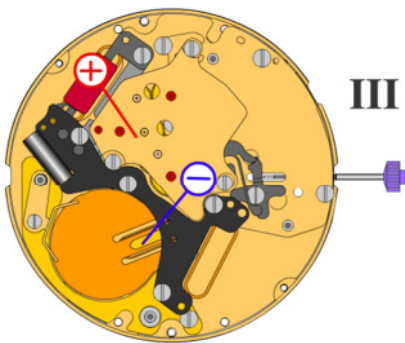
9014  
74.  **Moebius 9014**

124  
75.  **Jismaa 124**

9020  
76.  **Moebius 9020**

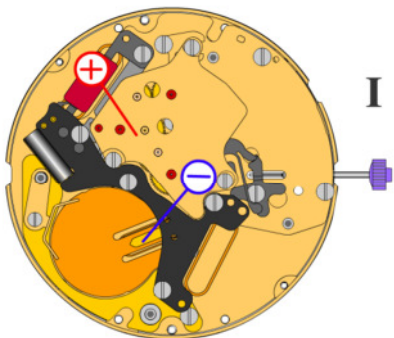


Battery	<b>381</b>
Voltage	<b>1.55V</b>


**III**

*Setting stem in position III,  
60s measuring interval:*

Typical consumption	<b>0.1 <math>\mu</math>A</b>
Maximal consumption	<b>0.3 <math>\mu</math>A</b>


**I**

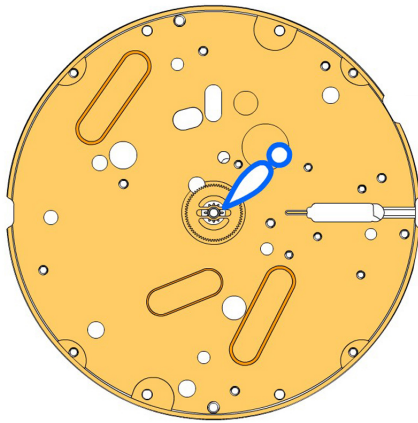
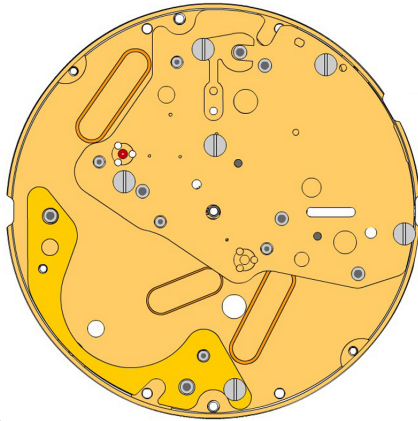
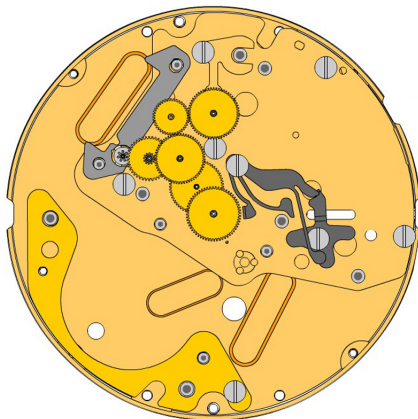
*Stem in position I, date  
mechanism not in gear:*




















Typical consumption	<b>1.43 <math>\mu</math>A</b>
Maximal consumption	<b>3.1 <math>\mu</math>A</b>

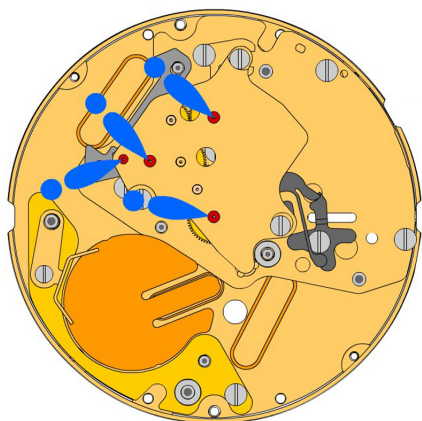
*60s measuring time:*


Instantaneous rate **-10s/mth .. +20s/mth**

Lower working voltage limit	<b>1.20 V</b>
-----------------------------	---------------


**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**

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

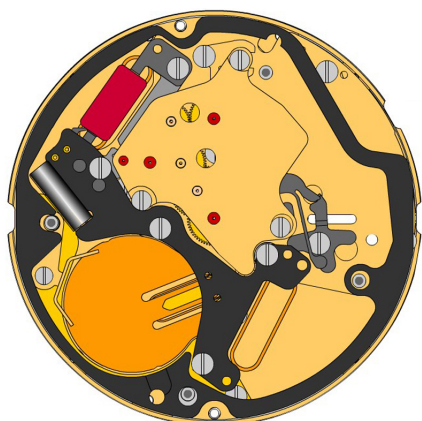
4000.244  
21.  **Screws**

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**


**E**

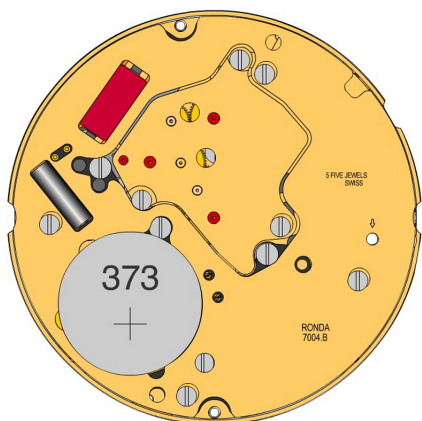
3612.196  
26.  **Electronic module**  
Electronic module held by 5 screws 4000.250.

4000.250  
27.  **Screw**

3603.081  
28.  **Spacer**

4000.244  
29.  **Screws**

3600.032.HGF  
30.  **Battery 381**


**F**

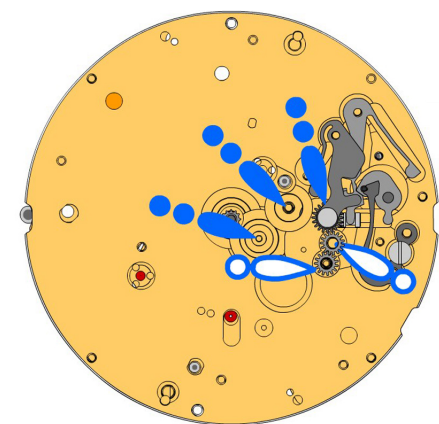
2000.669.G  
31.  **Main Plate**

3017.054.CO  
32.  **Setting lever**

3905.063  
33.  **Setting lever jumper (3 positions)**  
Setting lever jumper held by 1 screw 4000.282.

4000.282  
34.  **Screw**


3001.061.FI  
35.  **Sliding pinion**

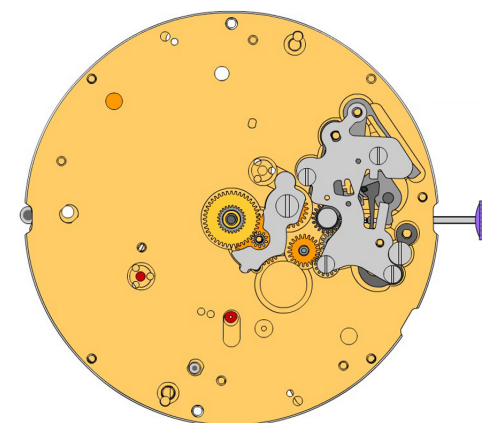

**G**


3015.077  
36.  **Yoke (3 positions)**  
Tensioning the spring arm.

3004.200  
37.  **Corrector setting wheel**

3004.200  
38.  **Corrector setting wheel**

3015.078.CO  
39.  **Rocking bar (3 positions)**  
Tensioning the spring arm.


**H**

2130.194  
40.  **Setting mechanism cover**  
Setting mechanism cover held by 4 screws 4000.305.

4000.305  
41.  **Screws**

3000.194.CO  
42.  **Stem**

3004.204  
43.  **Intermediate setting wheel**

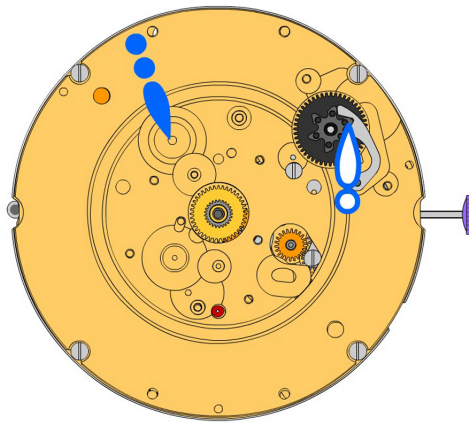
3007.079.CO  
44.  **Minute wheel**





2130.185  
45.  **Minute train bridge**  
Minute train bridge held by 1 screw 4000.278.

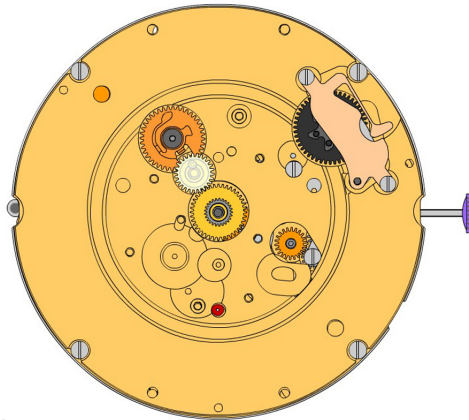
4000.278  
46.  **Screw**





3301.296.CO  
47.  **Hour wheel (Aig.1)**

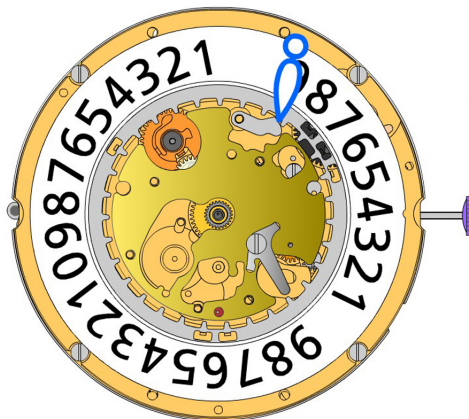
3147.066.CO  
48.  **Date corrector setting wheel**








**I**

2000.671.G 49.		<b>Main plate retro</b> Main plate retro held by 4 screws 4000.248.
4000.248 50.		<b>Screw</b>
3004.220 51.		<b>Tens indicator driving wheel</b> The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 52.		<b>Tens jumper</b>


**J**

2130.187 53.		<b>Tens jumper maintaining plate</b> Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 54.		<b>Screw</b>
3004.208.CO 55.		<b>Date indicator driving wheel</b>
3147.061 56.		<b>Intermediate date wheel</b>





**K**

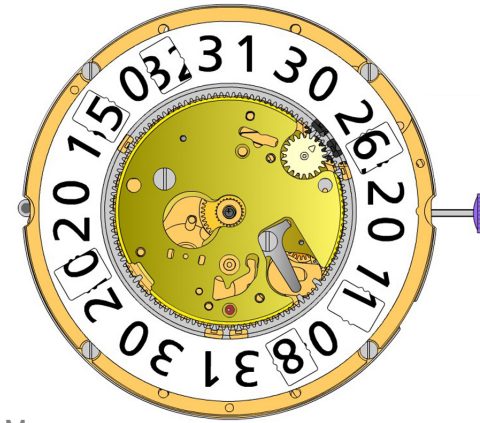
2130.188 57.		<b>Date indicator plate</b>
3905.068 58.		<b>Date corrector spring</b> Date corrector spring held by 1 screw 4000.244.
3905.066 59.		<b>Day rack lever spring</b> Tensioning the spring arm.
3500.069 60.		<b>Day jumper</b> Tensioning the spring arm.
3500.068 61.		<b>Date jumper</b>
3504.229.AF.1.A 62.		<b>Units indicator (standard)</b> Nick of the indicator at 3 o'clock.












L

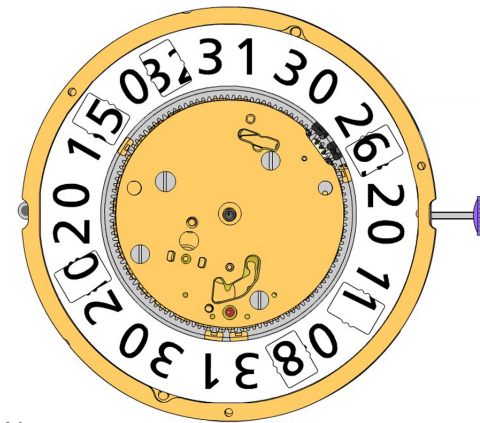
2130.189 63.		<b>Date indicator maintaining plate</b> Date indicator maintaining plate held by 1 screw 4000.250.
4000.250 64.		<b>Screw</b>
3905.064 65.		<b>Date jumper spring</b> Insert the date jumper spring in the provided opening.







M

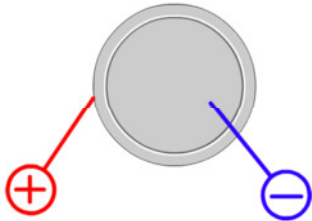
3147.062 66.		<b>Tens intermediate wheel</b> Arrow positioning radially outwards.
3315.003 67.		<b>Friction spring</b>
3504.230.AF.1.A 68.		<b>Tens indicator (standard)</b> Nick of the indicator at 3 o'clock.

2130.190.G 69.		<b>Date mechanism maintaining plate (12h)</b> Date mechanism maintaining plate held by 3 screws 4000.320.
4000.320 70.		<b>Screw</b>
3506.077.G 71.		<b>Intermediate dial support</b> Polished version first.
3506.076.G 72.		<b>Dial support</b>

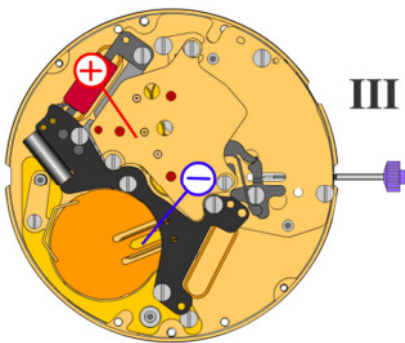


N

8200 73.		<b>Moebius 8200</b>
9014 74.		<b>Moebius 9014</b>
124 75.		<b>Jismaa 124</b>
9020 76.		<b>Moebius 9020</b>

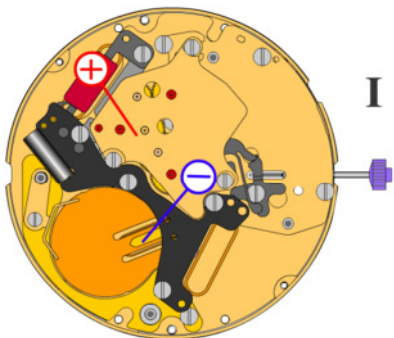


Battery	<b>381</b>
Voltage	<b>1.55V</b>


**III**

*Setting stem in position III,  
60s measuring interval:*

Typical consumption	<b>0.1 <math>\mu</math>A</b>
Maximal consumption	<b>0.3 <math>\mu</math>A</b>


**I**

*Stem in position I, date  
mechanism not in gear:*

Typical consumption	<b>1.43 <math>\mu</math>A</b>
Maximal consumption	<b>3.1 <math>\mu</math>A</b>

*60s measuring time:*

Instantaneous rate **-10s/mth .. +20s/mth**

Lower working voltage limit	<b>1.20 V</b>
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