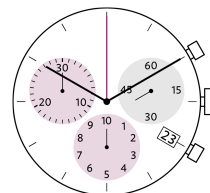
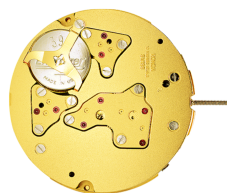


RONDA startech 5000

Chronographs, Big Date & Date,
different calendar systems, Alarm

Caliber 5040.D – 12½'''



Product Specifications

Analog quartz movement

Line startech

Caliber 5040.D

Size 12½'''

Version Swiss Made 13 Jewels / gold plated
Swiss Parts 6 Jewels / nickel plated

Standard battery life 54 months

Hand fitting height 1

Features

- Hand Heights 1 and 2
- Very long battery life
- Repairable metal watch movement
- Power saving mechanism with pulled out stem: Reduction of consumption approximately 70%
- Very easy handling by two pushers

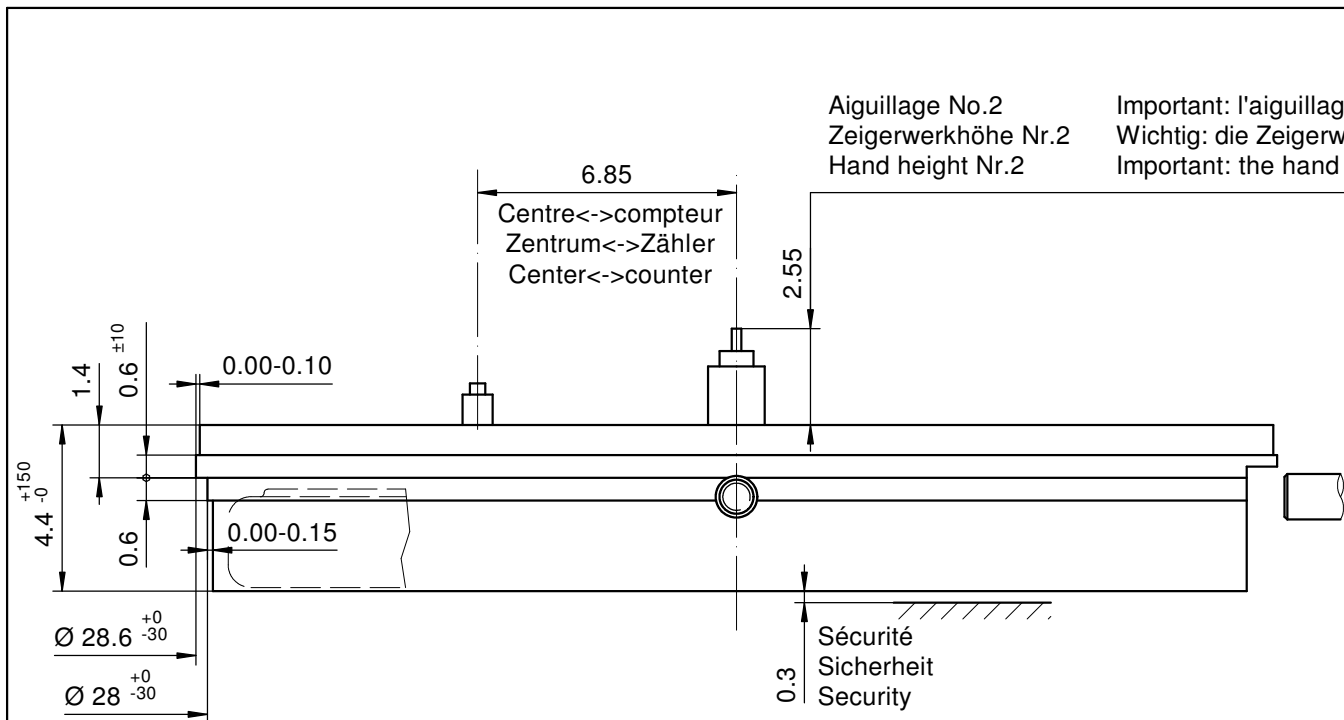
Functions

- Chronograph
- Center stop second (1/1 sec)
- 1/10 second
- 1/10 seconds up to 30 minutes
- 30 minute counter
- 10 hour counter
- ADD and SPLIT functions
- 3 eyes
- Small second
- Date

Technical Specifications

Diameter Total	28.60 mm
Case fitting	28.00 mm
Movement height	4.40 mm
Height over standard battery	4.40 mm
Movement rest	0.60 mm
Height over stem	1.90 mm
Length of stem travel	0.90 mm
Stem thread	0.90 mm
Standard battery	395
Standard battery life	54 months
Battery voltage	1.5 V
Current consumption – typical	1.32 µA (Date Mechanism not in Gear)
Current consumption – maximum	1.65 µA (Date Mechanism not in Gear)
Useful torque second – typical	6 µNm
Useful torque minute – typical	300 µNm
Useful torque center stop second – typical	7 µNm
Operating temperature	0 - 50 °C
Instantaneous rate	-10/ +20 sec/month
Resistance to magnetic fields	18.8 Oe
Resistance against shock	NIHS 91-10



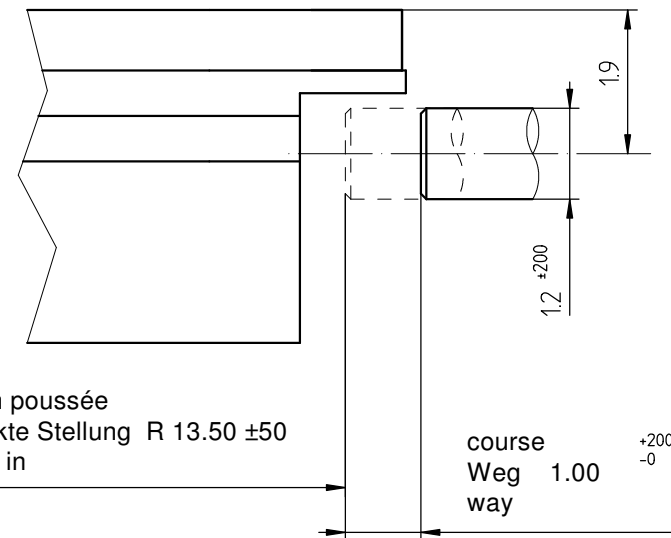


Aiguillage No.2
Zeigerwerkhöhe Nr.2
Hand height Nr.2

Important: l'aiguillage peut varier selon le modèle
Wichtig: die Zeigerwerkhöhe kann bei verschiedenen Modellen unterschiedlich sein
Important: the hand height can vary between different models

Sécurité entre l'aiguille des secondes et le verre: 0.30mm
Sicherheit zwischen Sekundenzeiger und Glas: 0.30mm
Security between second hand and glass:

Poussoirs
Drücker
Pushers



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

La course du poussoir doit être limitée dans le poussoir lui-même. Sa position poussée doit être contrôlée.

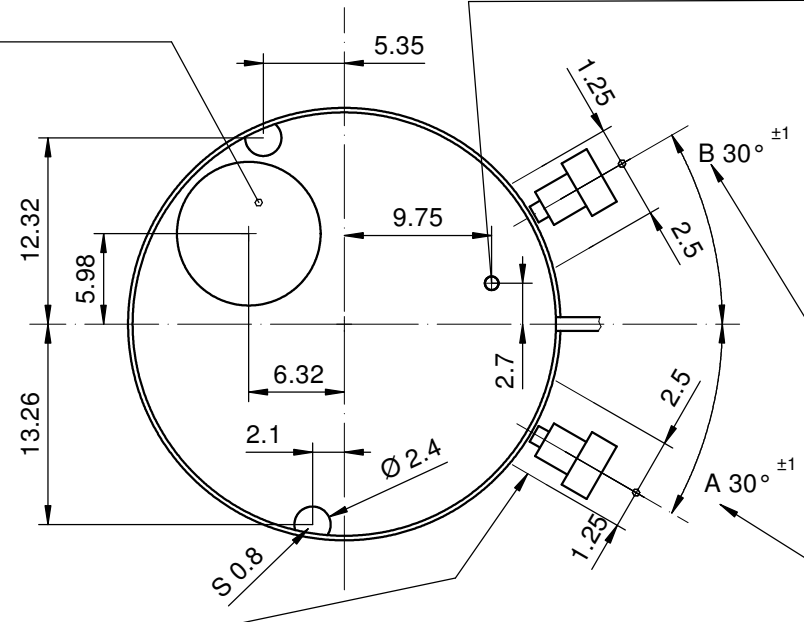
Die Weglänge des Drückers ist im Drücker selbst zu begrenzen. In der gedrückten Stellung ist seine Position zu kontrollieren

The way of the pusher has to be limited in the pusher itself. Its position must be checked while pushed in.

Côté fond de boîte
Seite Gehäuseboden
Case back side

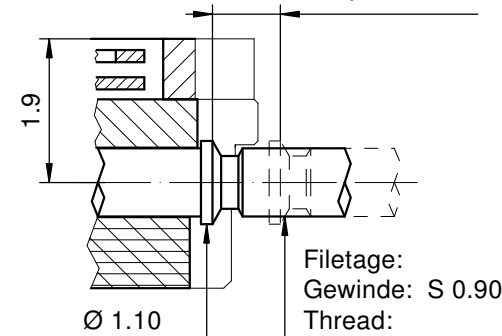
Position pour extraire la tige
Position zum Entfernen der Stellwelle
Position to remove the stem

Pile Batterie (395) Ø 9.50 x 2.60mm
Battery

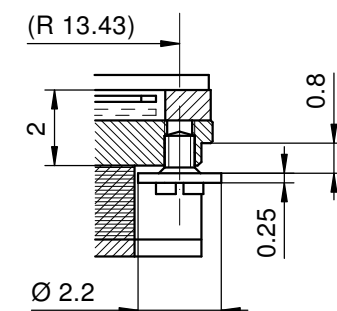


Stellwelle
Tige
Stem

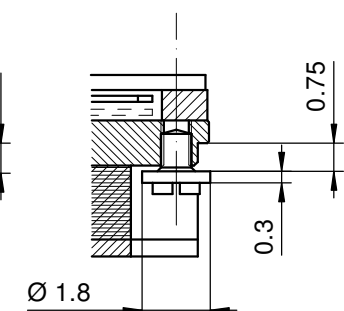
Chemin:
Weg: 0.90
Way:



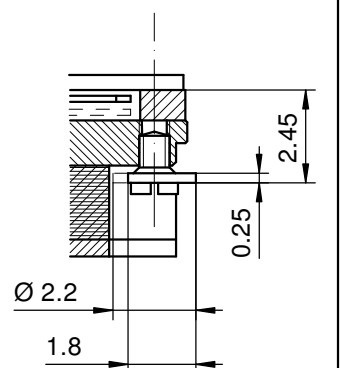
Vis
Schraube Nr. 4000.310
Screw



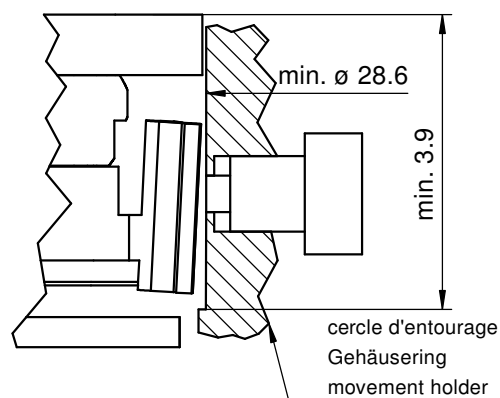
Vis
Schraube Nr. 4000.195
Screw



Vis
Schraube Nr. 4000.194
Screw



Dégagement cercle d'entourage pour poussoir
Freistellung Gehäuseering für Drücker
Opening movement holder for pusher



L'angle indiqué pour la direction du poussoir et la position doivent être respectés.
Pour un angle de 0° des poussoirs A et B, voir plan 5000.345

Der angegebene Winkel für die Drückerrichtung und die Position müssen eingehalten werden.
Für einen Drückerwinkel von 0° bei A und B, siehe Zeichnung 5000.345

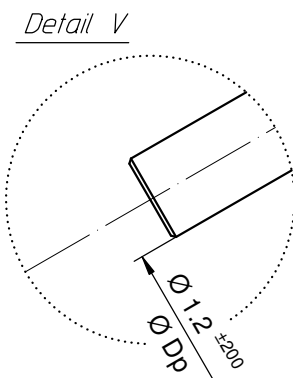
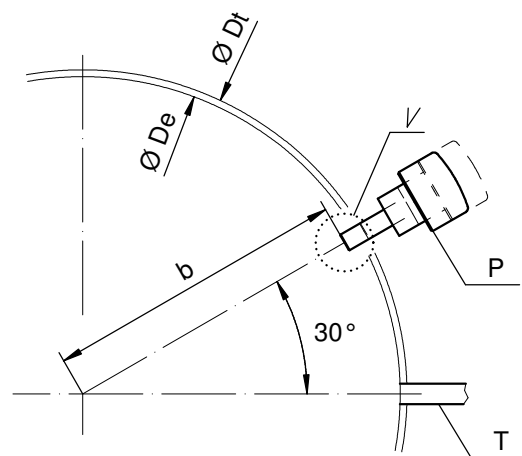
The indicated angle of the pusher direction and the position must be fulfilled. For pusher angles of 0° (pusher A and B), see drawing 5000.345.

Cage
Uhrwerkgestell 12½"
Frame

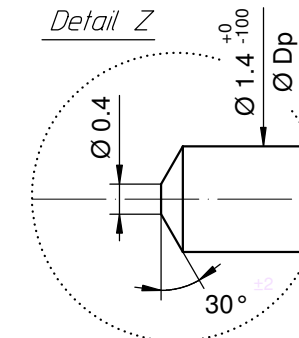
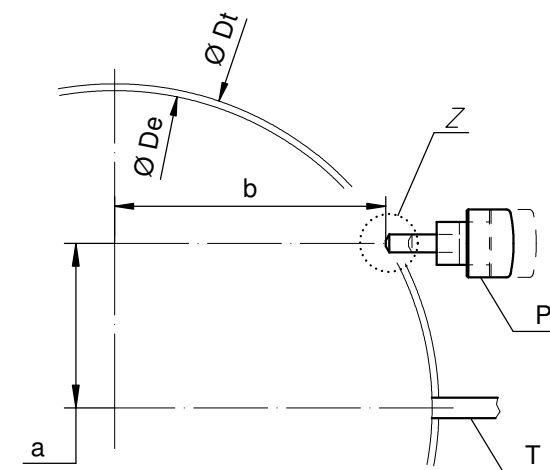
RONDA 5040.B, 5040.D, 5030.D, 5021.D, 5040.E

Issued	08 Jan 2001	mg
Modified	31 Aug 2016 ÅA 34777	dh
Released	YES	
Tolerance	+/- 20 µm	
Scale	10 : 1 (5 : 1) (A3H)	
Sous réserve de modifications Aenderungen vorbehalten Modifications reserved		
No.	5000.315	10

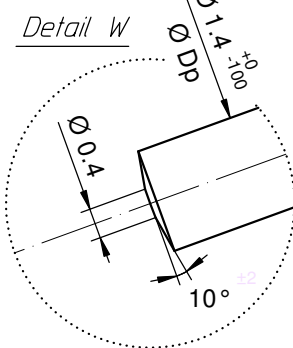
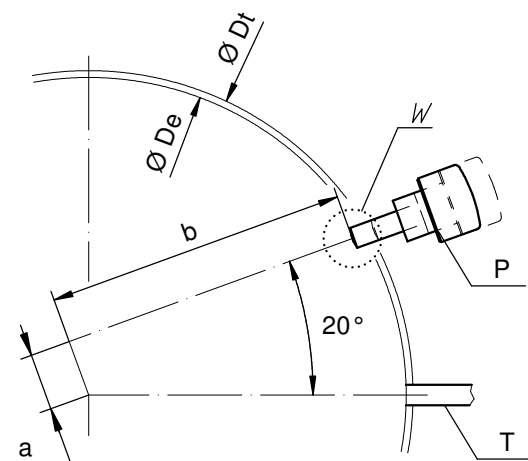
Angle Winkel Angle	30°	
Ø Dp	b	
1.00	13.50	
1.10	13.50	
1.20	13.50	
1.30	13.50	
1.40	13.50	



Angle Winkel Angle	0°	
Ø Dp	a	b
1.30	7.40	11.43
1.40	7.45	11.40



Angle Winkel Angle	20°	
Ø Dp	a	b
1.30	2.57	13.22
1.40	2.59	13.21



Ø De: diamètre d'encageage
Durchmesser der Gehäusepassung
fitting-diameter

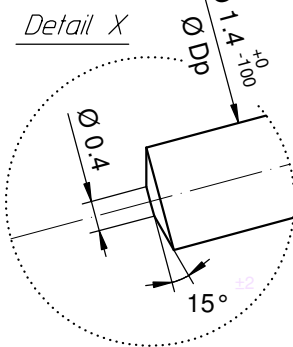
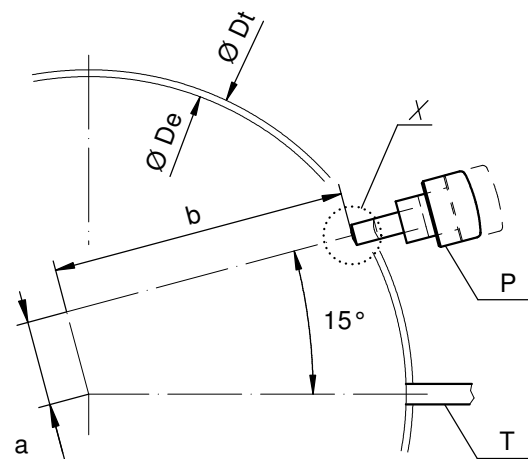
Ø Dp: diamètre du poussoir
Drückerdurchmesser
pusher-diameter

Ø Dt: diamètre total
Totaldurchmesser
total-diameter

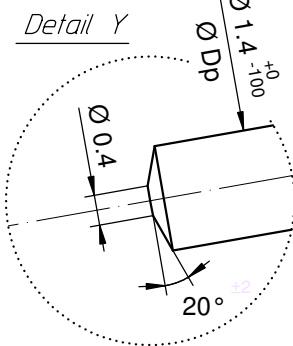
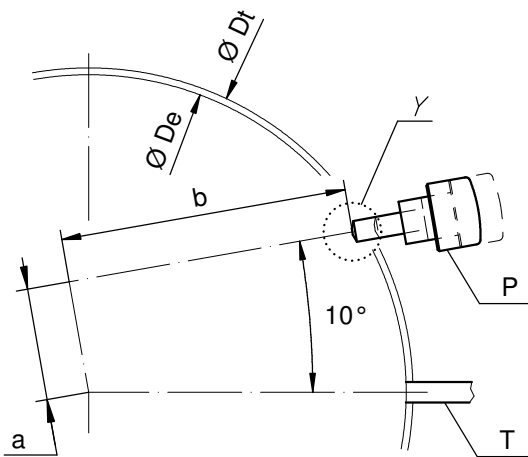
P: poussoir en position poussée
Drücker in gedrückter Stellung
pusher in pressed position

T: tige de mise à l'heure
Stellwelle
stem

Angle Winkel Angle	15°	
Ø Dp	a	b
1.30	3.83	12.92
1.40	3.86	12.91



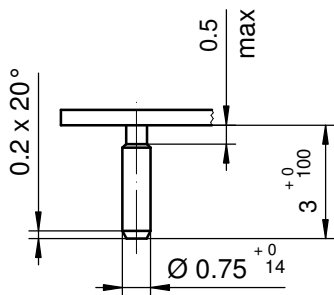
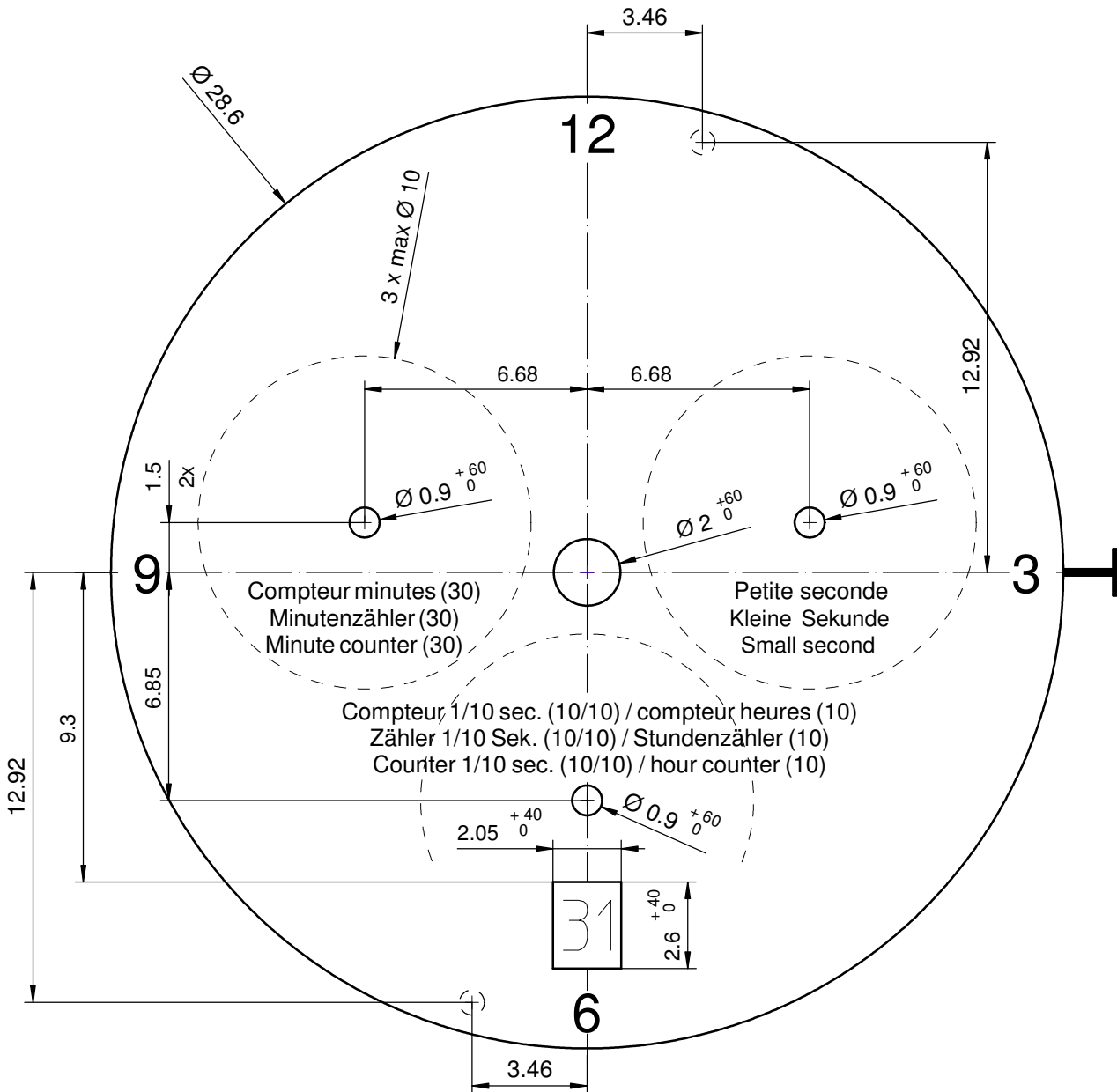
Angle Winkel Angle	10°	
Ø Dp	a	b
1.30	5.06	12.52
1.40	5.10	12.50



Angle des poussoirs A et B
Winkel der Drücker A und B
Angle of pusher A and B

RONDA 4xxx.x, 5xxx.x

Issued	06 Sep 2004	mk
Modified	30.März 2005 ÄA 1784	mk
Released	YES	
Tolerance	+/- 20 µm	
Scale	10 : 1 (5 : 1) (A3H)	
Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
No.	5000.345	01



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

Tige	Date
Stellw.	Datum
Stem	Date
3H	6H

Cadran
Zifferblatt
Dial

12 1/2"

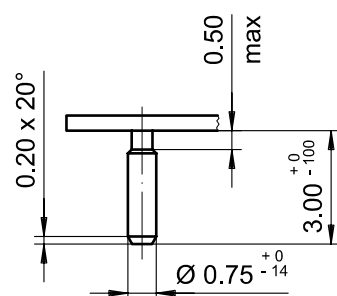
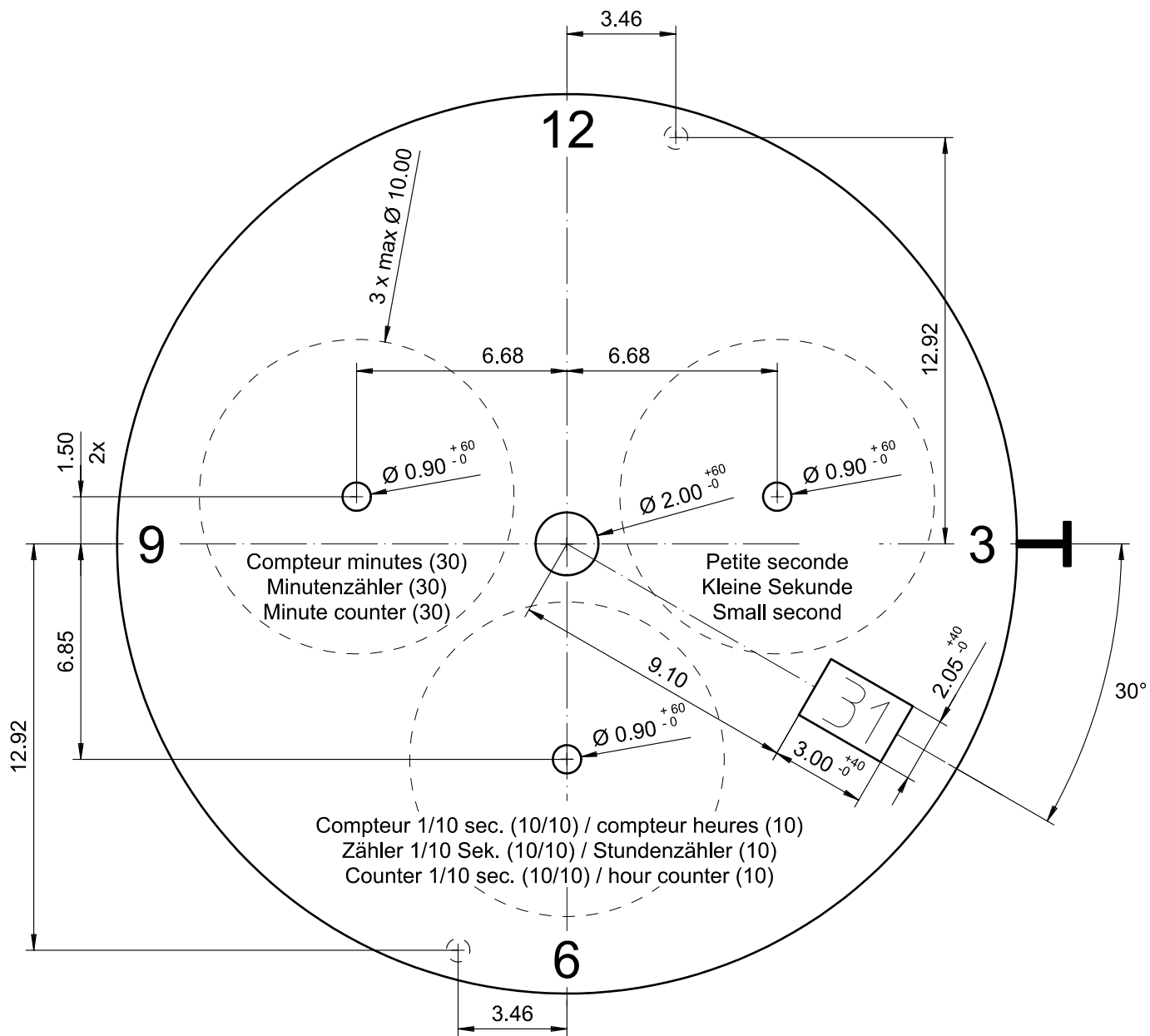
Imprimé	25 Sep 2009	dh
Modifications		
Checked		
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	

RONDA

5040.D

Sous réserve de modifications
 Aenderungenvorbehalten
 Modifications reserved

No. 5010.009 00



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

Tige	Date
Stellw.	Datum
Stem	Date
3H	4H
□	

Cadran
 Zifferblatt
 Dial

12 1/2'''

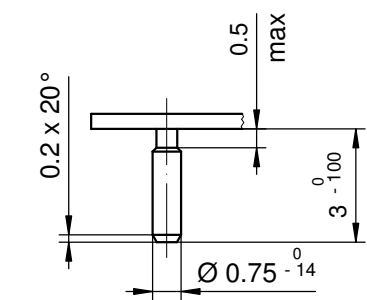
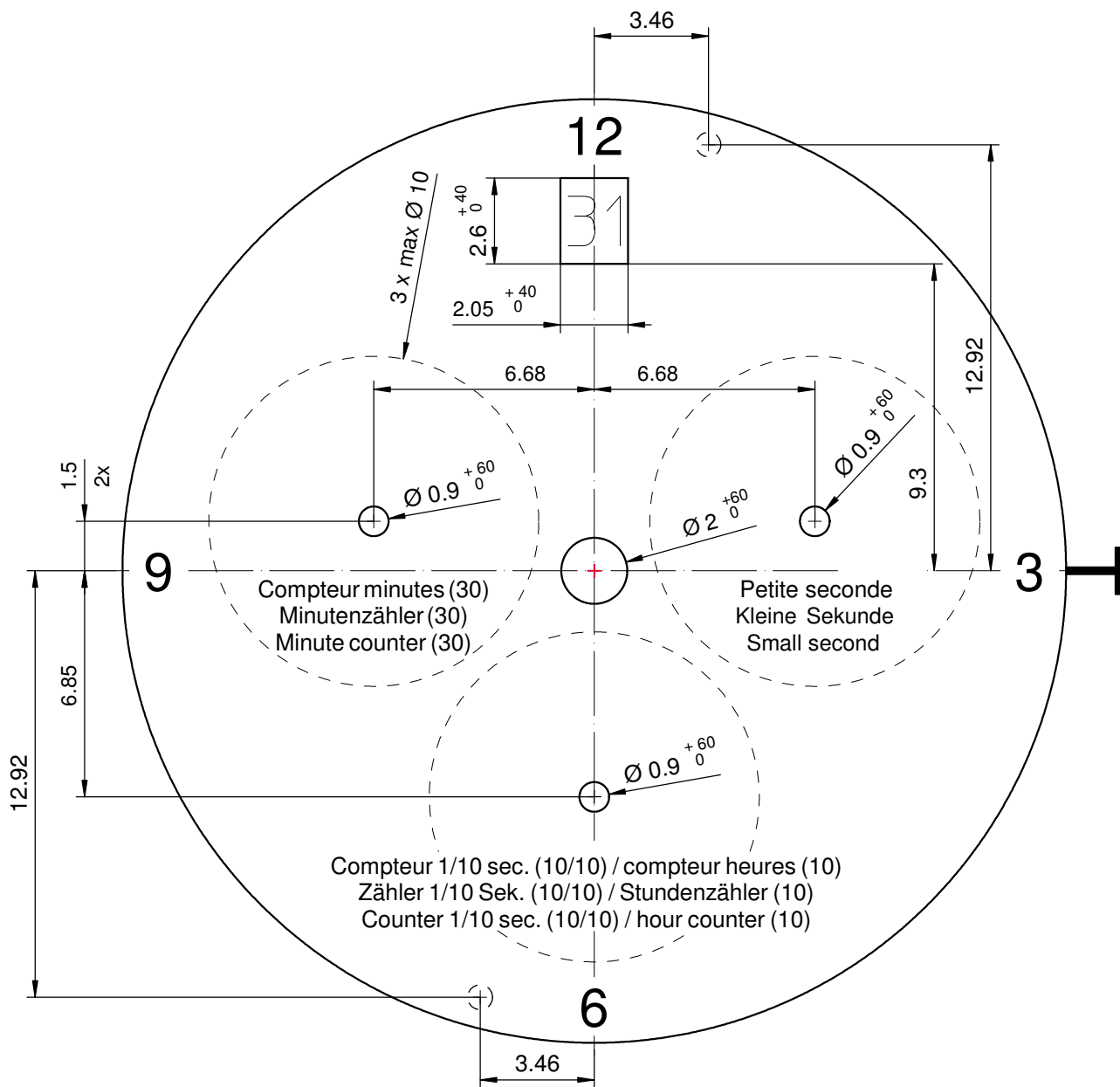
Issued	13 Dez 2006	cw
Modified	15.Dez.2006 ÄA ----	cm
Released	YES	
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	

RONDA

5040.D

Sous réserve de modifications
 Aenderungen vorbehalten
 Modifications reserved

No. 5010.669 04



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

Tige	Date
Stellw.	Datum
Stem	Date
3H	12H

Cadran
 Zifferblatt
 Dial

12½"

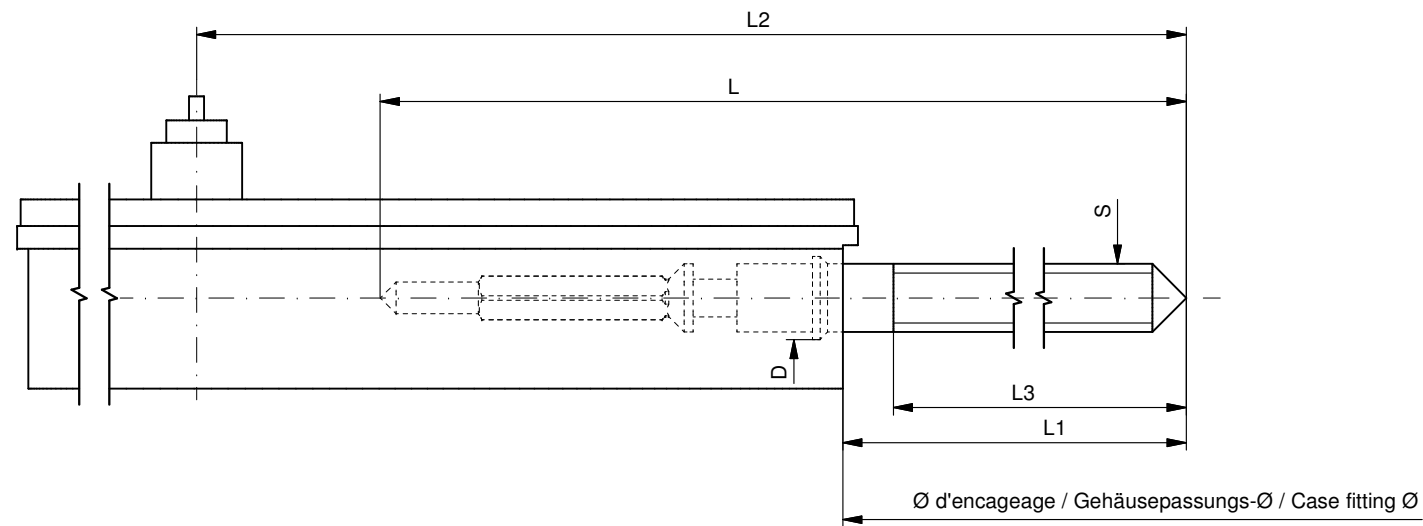
Issued	28 Jun 2011	dh
Modified	28.Jun.2011 ÄA 11305	dh
Released	YES	
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	

RONDA

5040.D

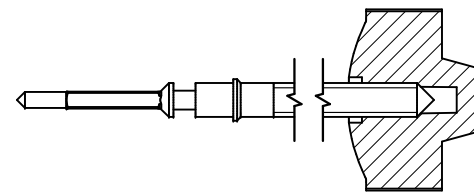
Sous réserve de modifications
 Aenderungenvorbehalten
 Modificationsreserved

No.	5010.672	00
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Tige de travail (intégrée dans le mouvement)
 Arbeitstellwelle (im Werk eingebaut)
 Working stem (implemented in the movement)

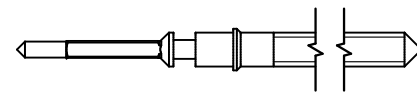
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.177.CO	20.00	10.23	24.23	10.15	0.90	1.10



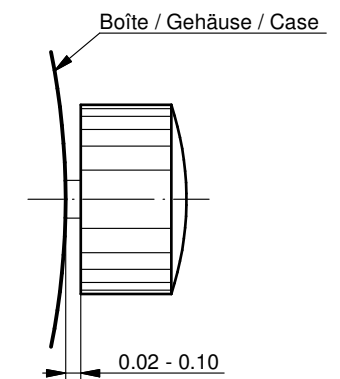
Couleur de la couronne Kronenfarbe Crown color	bleu foncé dunkelblau dark blue
Code	UN 5002

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

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.177	20.00	10.23	24.23	10.15	0.90	1.10
3000.191	32.00	22.23	36.23	22.15	0.90	1.10



Couronne normale
 Normale Krone
 Normal crown

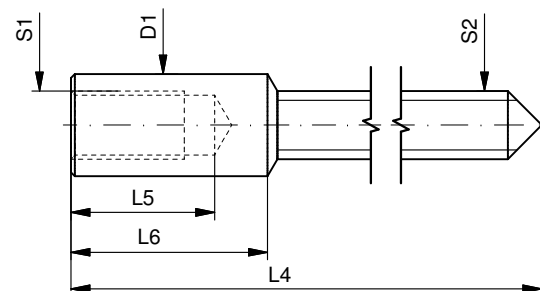


Couronne vissée
 Geschraubte Krone
 Screwed crown

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

5010.B, 5020.B, 5021.D, 5030.D,
 5040.B, 5040.D, 5040.E, 5040.F,
 5050.B, 5050.C, 5051.C, 5130.B, 5130.D

Issued	05 Sep 2012	ds5222
Modified	17 Mär 2017 ÄA 34582	mg5224
Released	YES	
Tolerance	---	
Scale	10:1 (A3)	

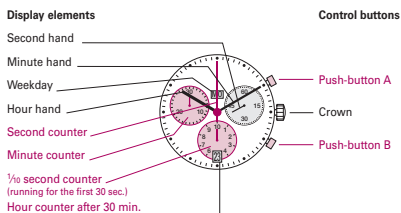
Sous réserve de modifications
 Änderungen vorbehalten
 Modifications reserved

No.	5030.019	01
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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.

Description of the display and control buttons



01 Date _____

Chronograph: Basic function

(Start / Stop / Reset)

Example:

1 **Start:** Press push-button A.

2 **Stop:** to stop the timing, press push-button A once more and read the chronograph counters:
 4 min / 38 sek / 1/2 sec

3 **Zero positioning:** Press push-button B. (The chronograph hands will be reset to their zero positions.)

05

Chronograph: Accumulated timing

Example:

1 **Start:** (start timing)

2 **Stop:** (e.g. 15 min 5 sec following 1)

3 **Restart:** (timing is resumed)

4 **Stop:** (e.g. 5 min 12 sec following 3) = 20 min 17 sec
 (The accumulated measured time is shown)

5 **Reset:** The chronograph hands are returned to their zero positions.

Please note

* Following 4, the accumulation of the timing can be continued by pressing push-button A (Restart / Stop, Restart / Stop, ...).

06

Setting the time

1 * Pull out the crown to position III (the watch stops).

2 Turn the crown until you reach the correct time 8:45.

3 * Push the crown back into position I.

Please note

* In order to set the time to the exact second, 1 must be pulled out when the second hand is in position «60». Once the hour and minute hands have been set, 3 must be pushed back into position I at the exact second.

02

Chronograph: Intermediate or interval timing

Example:

1 **Start:** (start timing)

2 **Display interval:** (e.g. 20 minutes 17 seconds (timing continues in the background))

3 **Making up the measured time:** (The chronograph hands are quickly advanced to the ongoing measured time.)

4 **Stop:** (Final time is displayed)

5 **Reset:** The chronograph hands are returned to their zero position

Please note

* Following 4, further intervals or intermediates can be displayed by pressing push-button B (display interval / make up measured time, ...).

07

Setting the date (quick mode)

1 Pull out the crown to position II (the watch continues to run).

2 Turn the crown until the correct date [I] appears.

3 Push the crown back into position I.

Please note

The date can be changed during the date changing phase between approx. 9:00 PM and 12:00 PM; please note that the date must be set to the date of the following day as in this case the automatic date changing does not occur at midnight.

03

Adjusting the chronograph hands to zero position

Example:

One or several chronograph hands are not in their correct zero positions and have to be adjusted (e.g. following a battery change).

1 Pull out the crown to position III (all chronograph hands are in their correct or incorrect zero position).

2 Keep push-buttons A and B depressed simultaneously for at least 2 seconds (the second counter hand rotates by 360° → corrective mode is activated).

03

Setting the date, weekday and time

Example:

- Date / time on the watch: [17] / 01:25 [00]

- Present date / time: [23] / 20:35 [11]

1 Pull out the crown to position III (the watch stops).

2 Turn the crown until yesterday's weekday [WE] appears.

3 Push the crown to position II.

4 Turn the crown until yesterday's date appears [22].

5 * Pull out the crown to position III (the watch stops).

6 Turn the crown until the correct date [23] and weekday [11] appears.

7 ** Continue to turn the crown until the correct time 8:35 PM appears.

8 Push the crown back into position I.

Please note

* To set your watch to the exact second, please refer to the chapter entitled «setting the time».

** Please observe the AM/PM clock rhythm.

04

Adjusting the second counter hand

Single step: A 1 x short

Continuous: A long

Adjusting the next hand B

Adjusting the 1/2 second counter hand (position 6h)

Single step: A 1 x short

Continuous: A long

Adjusting the next hand B

Adjusting the minute counter hand (position 9h)

Single step: A 1 x short

Continuous: A long

3 Returning the crown to position I

Termination of the chronograph hands adjustment (can be carried out at any time).

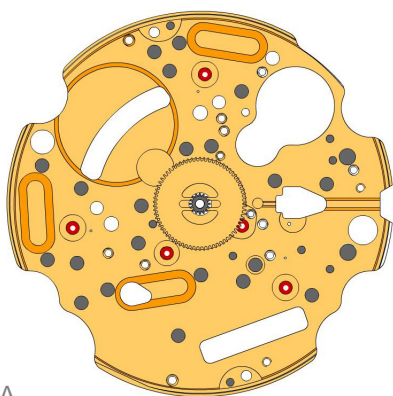
08



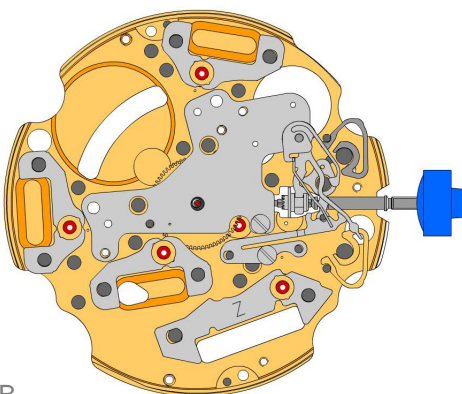
Battery type: 395 / SR927SW
 Accuracy: +20 / -10 seconds per month

07/2017




















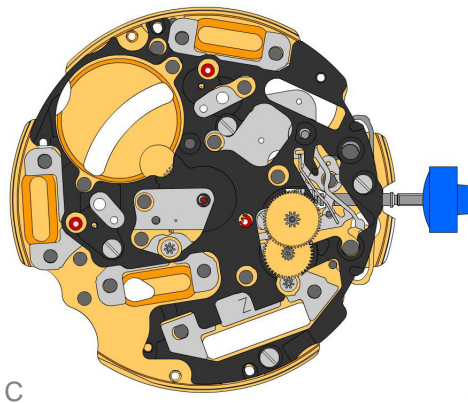








A

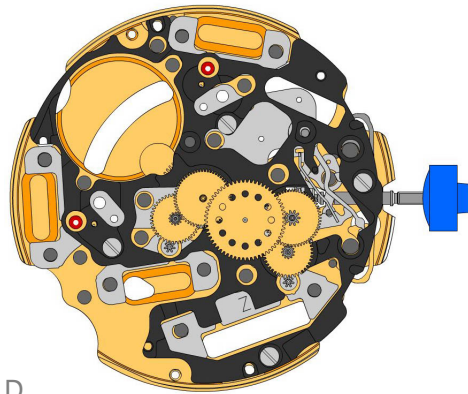





B

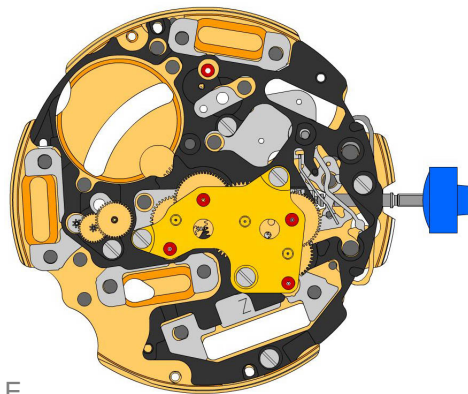
2000.574.G 1.		Main plate
3305.275.CO 2.		Cannon pinion with driver (Aig.1)
2030.017.CO 3.		Centre bridge Centre bridge held by 1 screw 4000.250. Parts 2030.017.CO and 3402.009.CO must be exchanged together.
4000.250 4.		Screw
3001.055.FI 5.		Sliding pinion
3000.177.CO 6.		Setting stem
3017.049 7.		Setting lever
3905.049 8.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.250.
4000.250 9.		Screw
3015.081 10.		Yoke (3 positions) Parts 3015.081 and 3905.067 must be exchanged together.
3905.067 11.		Yoke spring Tensioning the spring arm. Parts 3015.081 and 3905.067 must be exchanged together.
3406.030 12.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3406.038 13.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3622.040 14.		Stator Mark [Z] on stator.
3622.039 15.		Stator (counter 6h, 9h, chrono)
3622.039 16.		Stator (counter 6h, 9h, chrono)
3622.039 17.		Stator (counter 6h, 9h, chrono)







C

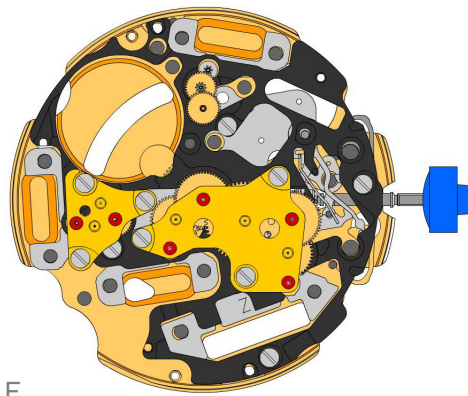
3603.079 18.		Plastic bracket Plastic bracket held by 4 screws 4000.250.
4000.250 19.		Screw
3715.094.RK 20.		Rotor
3715.094.RK 21.		Rotor
3147.046.CO 22.		Intermediate wheel
3136.142.CO 23.		Second wheel (long)


D






3147.047.CO 24.		Intermediate wheel (chrono)
3136.143.CO 25.		Chronograph wheel (Aig.1)
3122.056.CO 26.		Third wheel

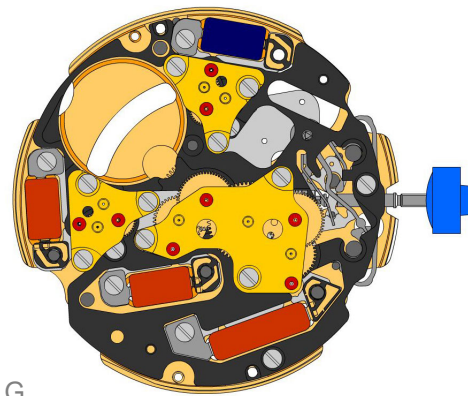

E

2020.148.G 27.		Train wheel bridge Train wheel bridge held by 3 screws 4000.250.
4000.250 28.		Screw
3715.095.RK 29.		Rotor
3147.048.CO 30.		Intermediate wheel (counter)
3402.006.CO 31.		Minute counting wheel










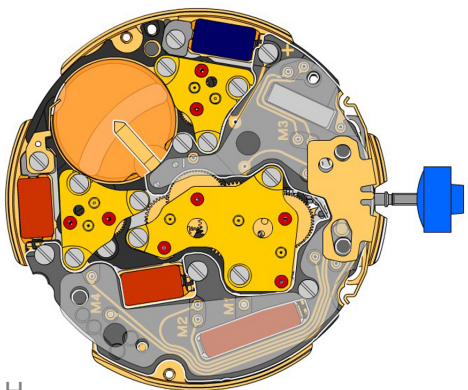
F

2020.149.G 32.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 33.		Screw
3715.095.RK 34.		Rotor
3147.053.CO 35.		Intermediate wheel (counter 1/10sec)
3402.009.CO 36.		Counting wheel 1/10 sec Parts 2030.017.CO and 3402.009.CO must be exchanged together.










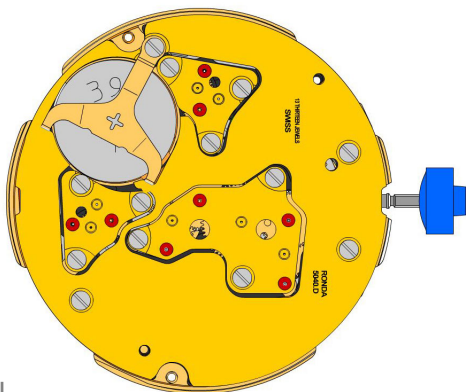
G

2020.149.G 37.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 38.		Screw
3621.053.RK 39.		Coil Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 40.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 41.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.055.RK 42.		Coil (counter 6h) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
4000.250 43.		Screw



H

3601.118 44.		Contact strip Contact strip held by 1 screw 4000.250.
4000.250 45.		Screw
3603.034 46.		Battery insulator
3612.144.5040 47.		Electronic module Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.
4000.248 48.		Screw
3603.069 49.		Circuit insulator
3601.107.G 50.		Pusher contact spring

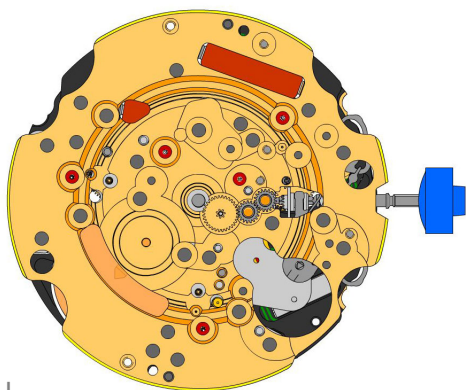


2130.137.G.M01.5040D
51.  **Electronic module cover**
Electronic module cover held by 3 screws 4000.250.





3600.010.HGF
52.  **Battery 395**

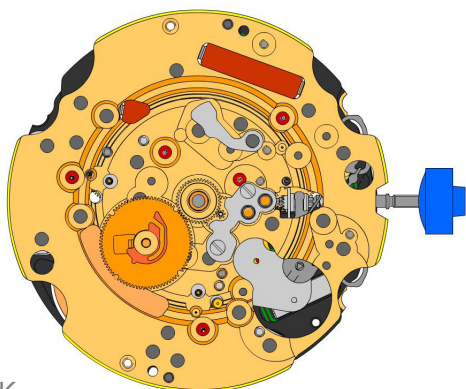
3601.109.G
53.  **Bridge +**
Bridge held by 1 screw 4000.250.

4000.250
54.  **Screw**









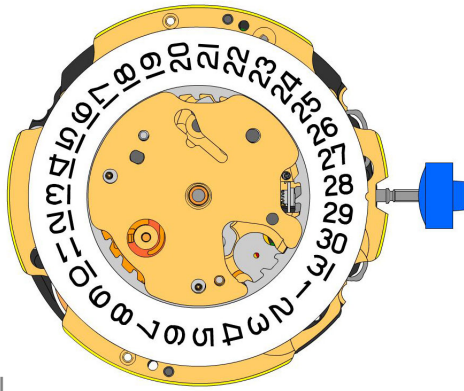
J

2000.574.G 55.		Main plate
3004.164 56.		Setting wheel
3004.164 57.		Setting wheel
3007.054.CO 58.		Minute wheel

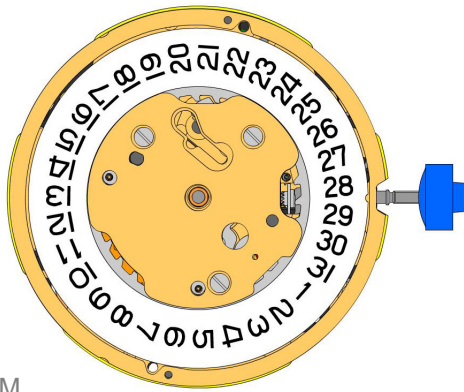


K











2130.143 59.		Minute train bridge Minute train bridge held by 2 screws 4000.305.
4000.305 60.		Screw
3301.241 61.		Hour wheel (Aig.1)
3315.016 62.		Friction spring
3004.224.CO 63.		Date indicator driving wheel
3500.049 64.		Date jumper

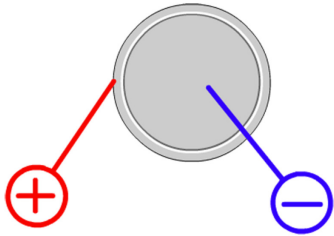


L

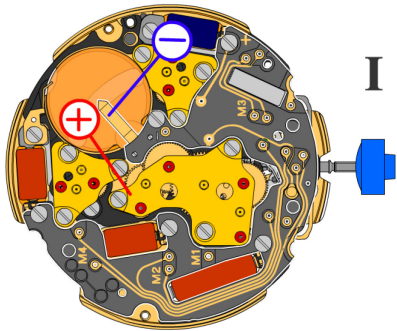


M

3504.208.AB.1.A 65.		Date indicator (standard) Nick of the indicator at 3 o'clock.
2130.141 66.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
3905.070 67.		Date jumper spring Insert the date jumper spring in the provided opening.
2130.140.G 68.		Date mechanism maintaining plate Date mechanism maintaining plate held by 2 screws 4000.250.
4000.250 69.		Screw
3506.072.G 70.		Dial support
8200 71.		Moebius 8200
9014 72.		Moebius 9014
124 73.		Jismaa 124
9020 74.		Moebius 9020

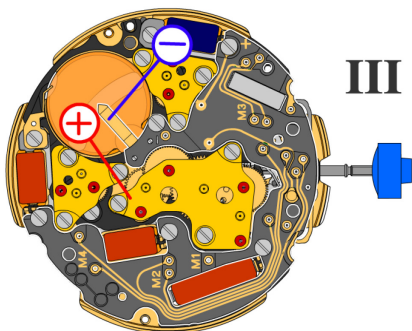


Battery	395
Voltage	1.55 V



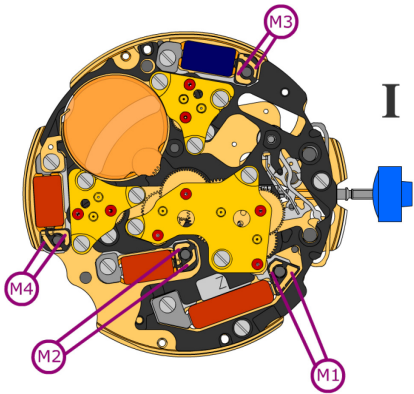
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.32 μA
Maximal consumption	1.65 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

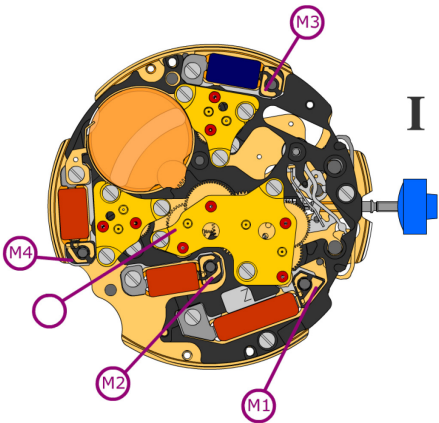


Coil resistance M1 **1.90 k Ω .. 2.10 k Ω**

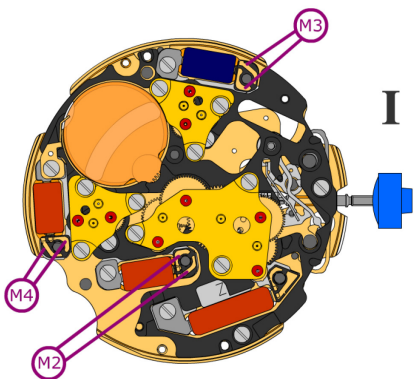
Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M3 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M4 **1.68 k Ω .. 1.88 k Ω**

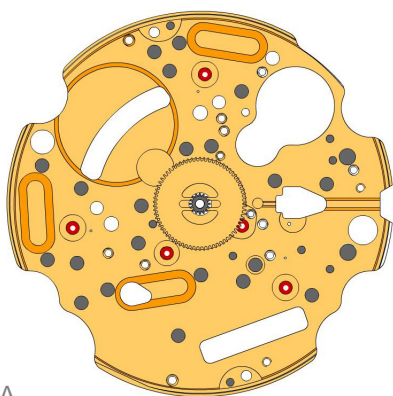


Coil isolation M1/M2/M3/M4 **∞ k Ω**

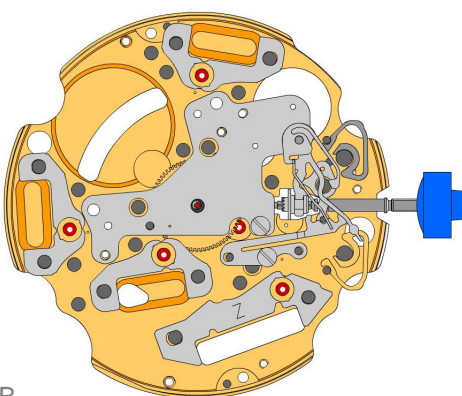


Signal generator (4.9 ms, 8 Hz):















Lower working voltage limit
M2/M3/M4 **1.20 V**

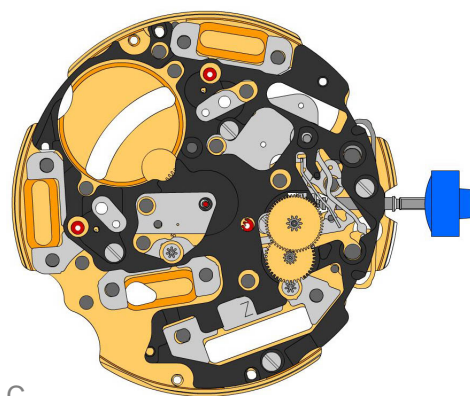


A



B

2000.574.G 1.		Main plate
3305.275.CO 2.		Cannon pinion with driver (Aig.1)
2030.039.CO 3.		Centre bridge Centre bridge held by 1 screw 4000.250.
4000.250 4.		Screw
3001.055.FI 5.		Sliding pinion
3000.177.CO 6.		Setting stem
3017.049 7.		Setting lever
3905.049 8.		Setting lever jumper (3 positions) Setting lever jumper held by 1 screw 4000.250.
4000.250 9.		Screw
3015.081 10.		Yoke (3 positions) Parts 3015.081 and 3905.067 must be exchanged together.
3905.067 11.		Yoke spring Tensioning the spring arm.
3406.030 12.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3406.038 13.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3622.040 14.		Stator Mark [Z] on stator.
3622.039 15.		Stator (counter 6h, 9h, chrono)
3622.039 16.		Stator (counter 6h, 9h, chrono)
3622.039 17.		Stator (counter 6h, 9h, chrono)


C

3603.079
18.  **Plastic bracket**
Plastic bracket held by 4 screws 4000.250.

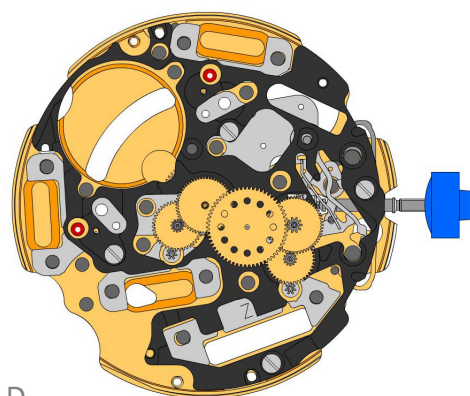
4000.250
19.  **Screw**


3715.094.RK
20.  **Rotor**


3715.094.RK
21.  **Rotor**

3147.046.CO
22.  **Intermediate wheel**

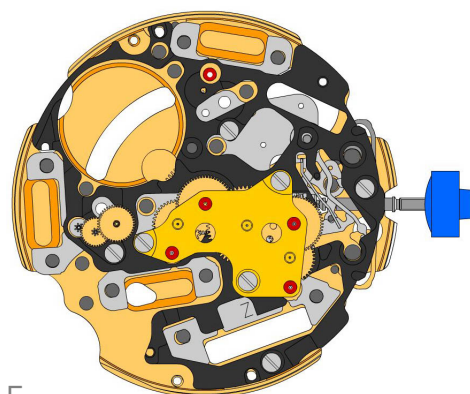
3136.142.CO
23.  **Second wheel (long)**



D

3147.047.CO
24.  **Intermediate wheel (chrono)**

3136.143.CO
25.  **Chronograph wheel (Aig.1)**

3122.056.CO
26.  **Third wheel**


E

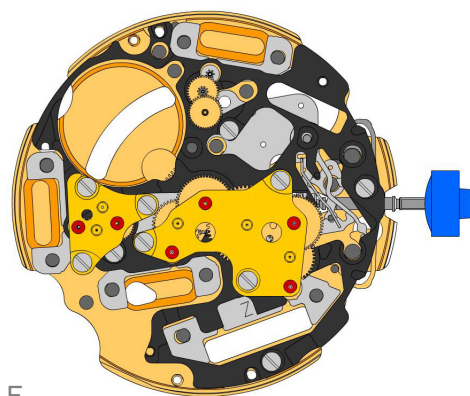
2020.148.G
27.  **Train wheel bridge**
Train wheel bridge held by 3 screws 4000.250.

4000.250
28.  **Screw**






3715.095.RK
29.  **Rotor**

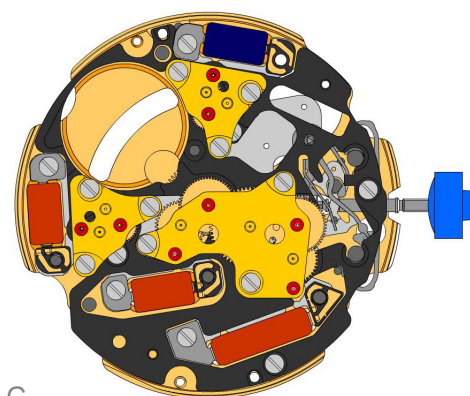
3147.048.CO
30.  **Intermediate wheel (counter)**

3402.006.CO
31.  **Minute counting wheel**










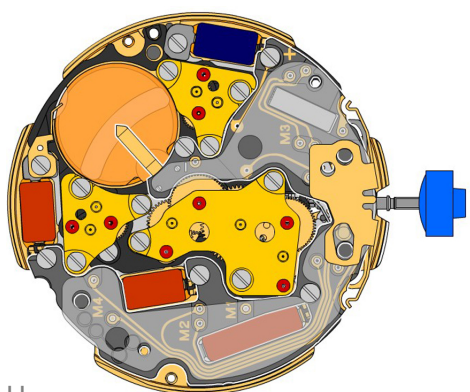
F

2020.149.G 32.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 33.		Screw
3715.095.RK 34.		Rotor
3147.053.CO 35.		Intermediate wheel (counter 1/10sec)
3402.016.CO 36.		Counting wheel 1/10 sec










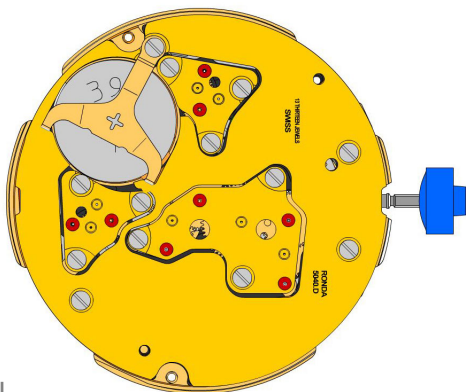
G

2020.149.G 37.		Counter train wheel bridge Counter train wheel bridge held by 3 screws 4000.250.
4000.250 38.		Screw
3621.053.RK 39.		Coil Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 40.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.054.RK 41.		Coil (counter 9h, chrono) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
3621.055.RK 42.		Coil (counter 6h) Attention: Please hold the coil only on the grey coil core. Coil held by 1 screw 4000.250.
4000.250 43.		Screw



H

3601.118 44.		Contact strip Contact strip held by 1 screw 4000.250.
4000.250 45.		Screw
3603.034 46.		Battery insulator
3612.144.5040 47.		Electronic module Electronic module held by 5 screws 4000.248. Electronic measurements may be realised now.
4000.248 48.		Screw
3603.069 49.		Circuit insulator
3601.107.G 50.		Pusher contact spring

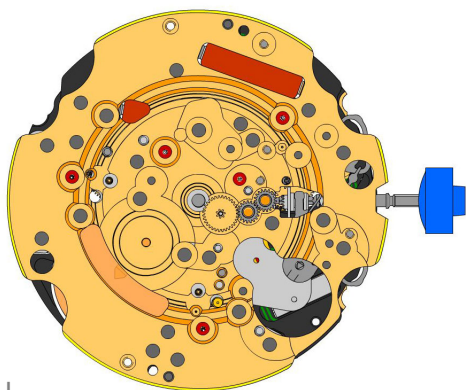


2130.137.G.M01.5040D
51.  **Electronic module cover**
Electronic module cover held by 3 screws 4000.250.





3600.010.HGF
52.  **Battery 395**

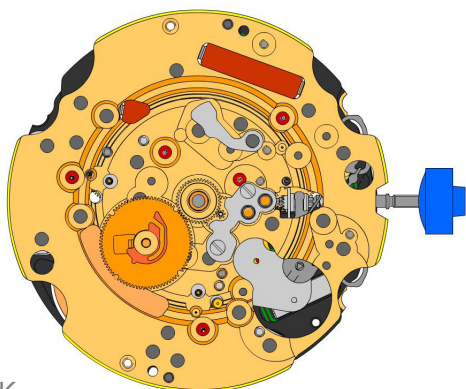
3601.109.G
53.  **Bridge +**
Bridge held by 1 screw 4000.250.

4000.250
54.  **Screw**









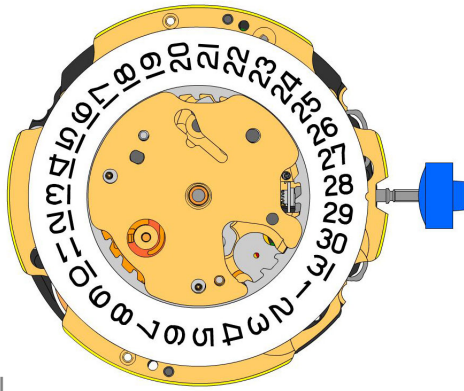
J

2000.574.G 55.		Main plate
3004.164 56.		Setting wheel
3004.164 57.		Setting wheel
3007.054.CO 58.		Minute wheel

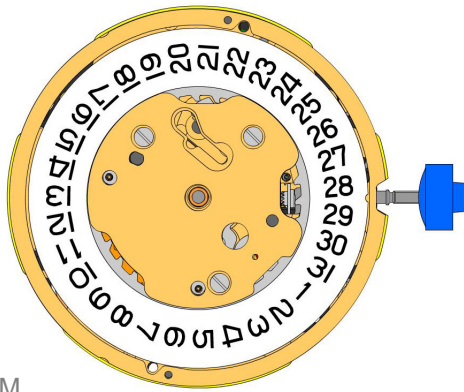


K











2130.143 59.		Minute train bridge Minute train bridge held by 2 screws 4000.305.
4000.305 60.		Screw
3301.241 61.		Hour wheel (Aig.1)
3315.016 62.		Friction spring
3004.224.CO 63.		Date indicator driving wheel
3500.049 64.		Date jumper

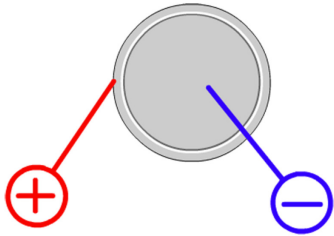


L

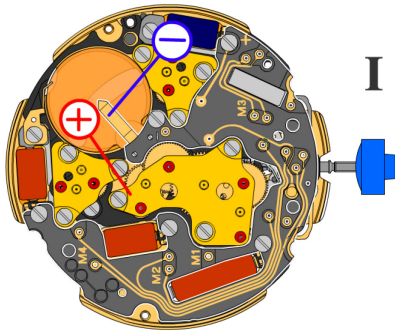


M

3504.208.AB.1.A 65.		Date indicator (standard) Nick of the indicator at 3 o'clock.
2130.141 66.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw 4000.250.
3905.070 67.		Date jumper spring Insert the date jumper spring in the provided opening.
2130.140.G 68.		Date mechanism maintaining plate Date mechanism maintaining plate held by 2 screws 4000.250.
4000.250 69.		Screw
3506.072.G 70.		Dial support
8200 71.		Moebius 8200
9014 72.		Moebius 9014
124 73.		Jismaa 124
9020 74.		Moebius 9020

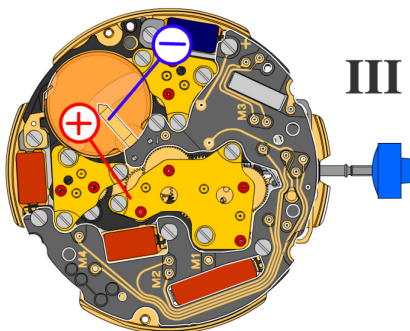


Battery	395
Voltage	1.55 V



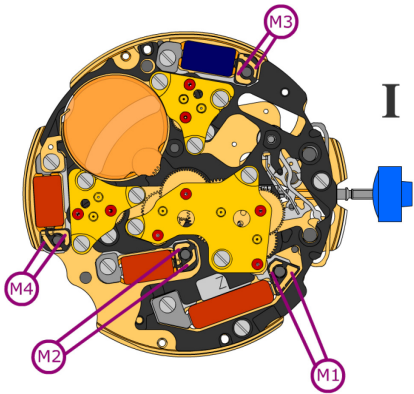
*Setting stem in position I, calendar not in gear,
60 s measuring interval for rate and consumption:*

Typical consumption	1.32 μA
Maximal consumption	1.65 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

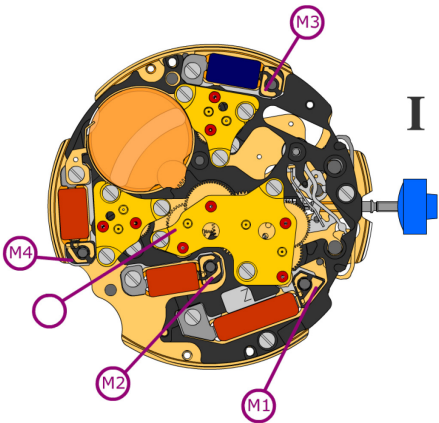


Coil resistance M1 **1.90 k Ω .. 2.10 k Ω**

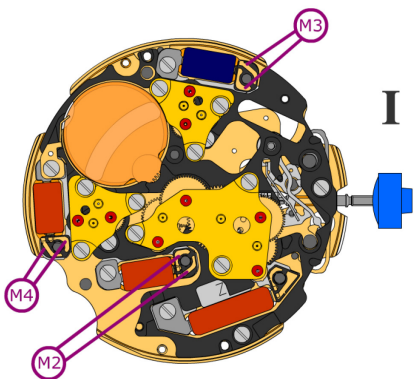
Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M3 **1.68 k Ω .. 1.88 k Ω**

Coil resistance M4 **1.68 k Ω .. 1.88 k Ω**



Coil isolation M1/M2/M3/M4 **∞ k Ω**



Signal generator (4.9 ms, 8 Hz):

Lower working voltage limit
M2/M3/M4 **1.20 V**