

RONDA normtech 700 & 6000

Lange Batterielaufzeit und spezielle Funktionen

Caliber 6003.D – 11½'''



Product Specifications

Analog quartz movement

Line normtech

Caliber 6003.D

Size 11½'''

Version Swiss Made 4 Jewels / gold plated

Standard battery life 40 months

Hand fitting height 1

Features

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

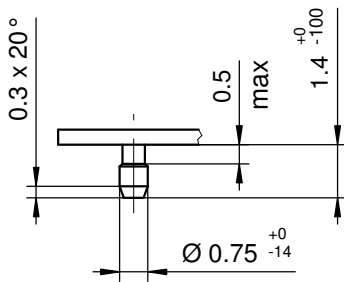
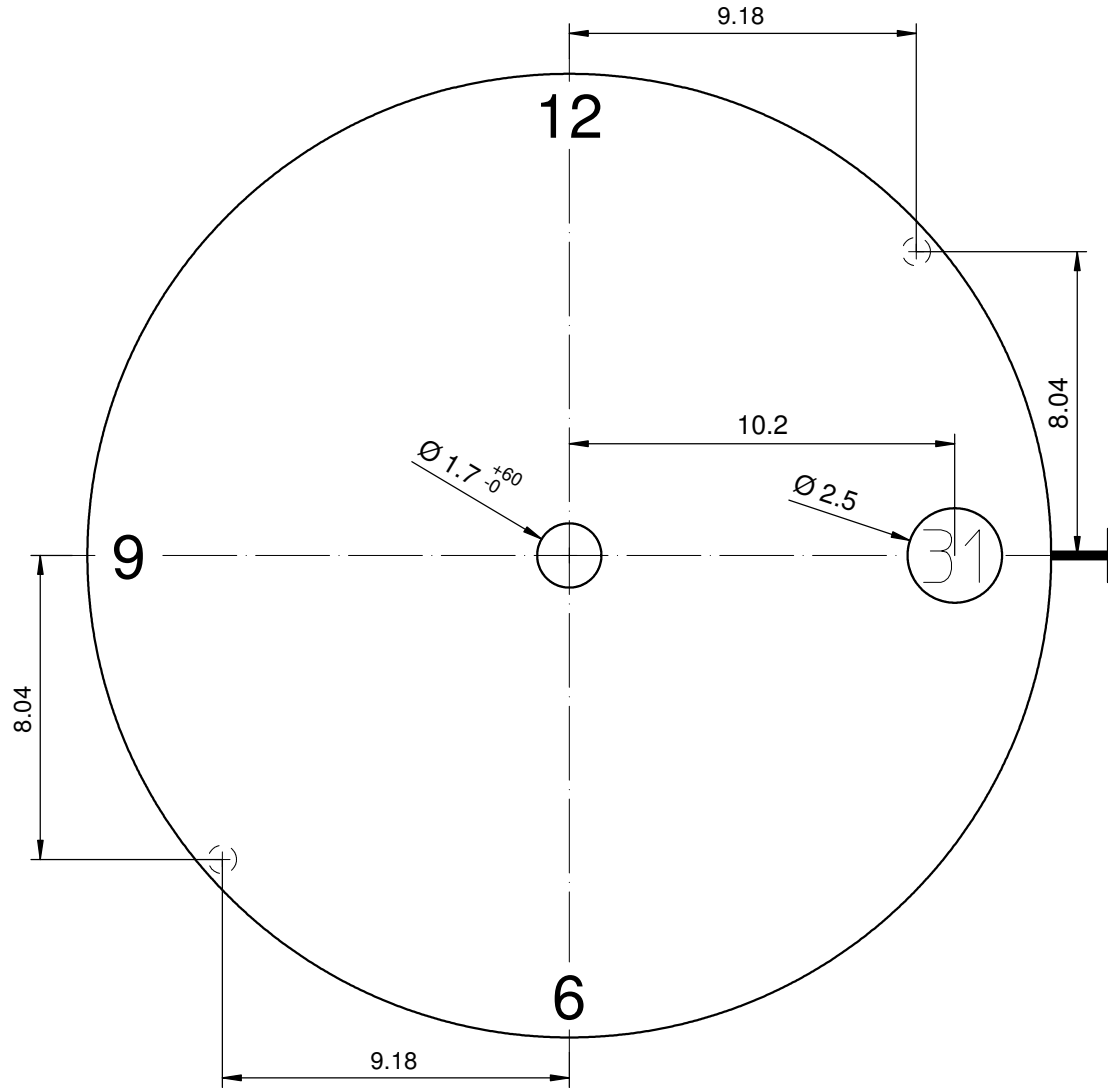
Functions

- Date
- 3 hands

Technical Specifications

Diameter Total	26.00 mm
Case fitting	25.60 mm
Movement height	2.50 mm
Height over standard battery	2.50 mm
Movement rest	0.60 mm
Height over stem	1.00 mm
Length of stem travel	1.00 mm
Stem thread	0.90 mm
Standard battery	373
Standard battery life	40 months
Battery voltage	1.5 V
Current consumption – typical	1.03 µA (Date Mechanism not in Gear)
Current consumption – maximum	1.45 µA (Date Mechanism not in Gear)
Useful torque second – typical	6 µNm
Useful torque minute – typical	300 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

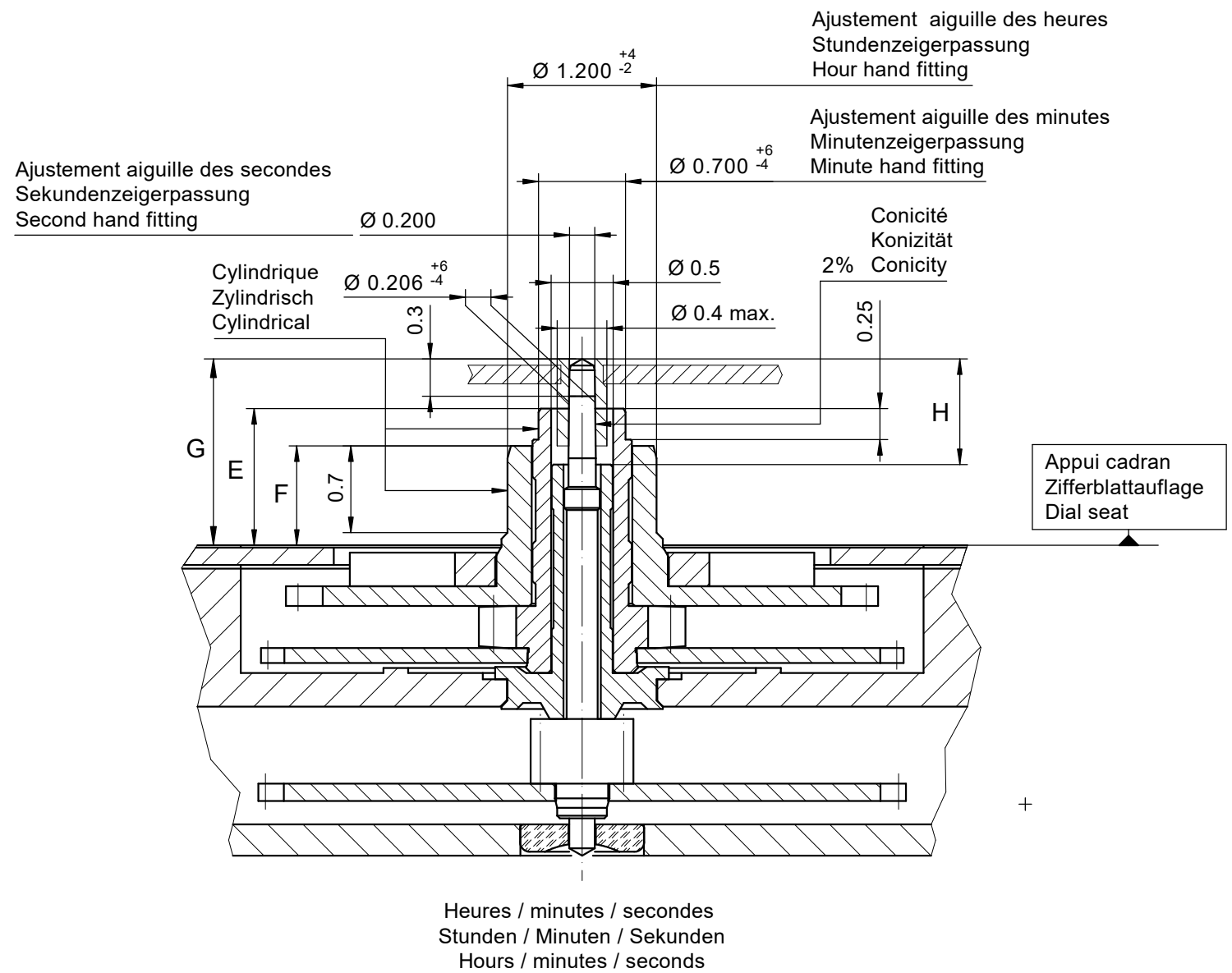




Epaisseur du cadran selon hauteur de l'aiguillage
 Zifferblattdicke gemäss Zeigerwerkhöhen
 Dial thickness according to hand fitting heights

Tige	Date
Stellw.	Datum
Stem	Date
3H	3H
	○

Cadran Zifferblatt Dial	1 1/2"	Issued	07.Okt.2011	dh
		Modified	07.Okt.2011 13.Feb.2012	dh
		Released	YES	
		Tolerance	+/- 20 µm	
		Scale	5 : 1 (A4V)	
RONDA	6003.D	Sous réserve de modifications Aenderungenvorbehalten Modifications reserved		
		No.	5010.024	00



Aiguillages Zeigerwerkhöhe Hand fitting height				
Dépassement Höhe über Zifferblattauflage Height over dial seat				
	Pignon des secondes Sekundentrieb Second pinion	Chaussée Minutenrohr Cannon-pinion	Roue des heures Stundenrad Hour wheel	
No	G	E	F	H
1	1.50	1.10	0.80	0.85
-				

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 secondes Unter Sekundenzeiger Under second hand	Sous l'aiguille des minutes Unter Minutenzeiger Under minute hand	Sous l'aiguille des heures Unter Stundenzeiger Under hour hand	Epaisseur des aiguilles Zeigerdicke Hands thickness
1	1.00	0.70	0.40	0.15
-				

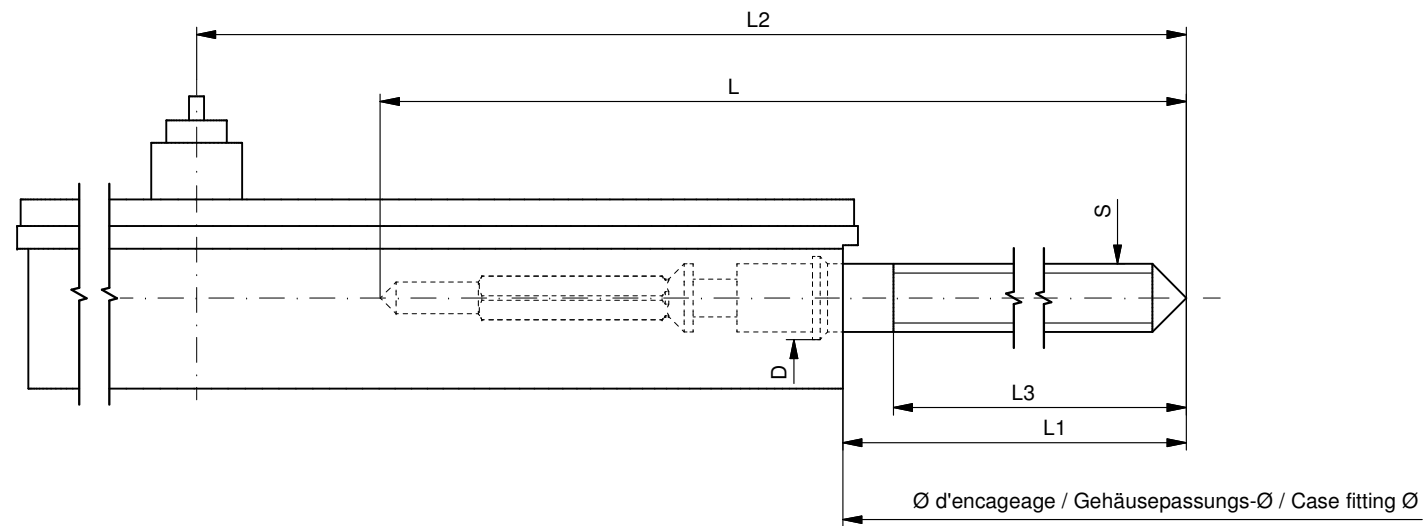
	Aig. des secondes Sekundenzeiger Second hand	Aig. des minutes Minutenzeiger Minute hand	Aig. des heures Stundenzeiger Hour hand	Lors de la pose d'aiguilles, le mouvement doit être soutenu. Beim Zeigersetzen muss das Werk abgestützt werden. The movement needs to be supported for hand setting.
mg max.	10	30	30	Masse / Masse / Weight *
µNm max.	0.05	0.80	0.80	Balourd / Unwucht / Unbalance *
gmm ² max.	0.4	-	-	Inertie / Massenträgheit / Inertia *
N max.	30	40	40	Force de chassage / Aufpresskraft / Force

Aiguillages Zeigerwerkhöhen 11½" Hand fitting heights		Issued	16.11.2006	cm
		Modified	12.05.2021	jp5226
RONDA 6003.D, 6013.D		Released	YES	
		Mod. No.	42474	
		Tolerance	---	
		Scale	20 : 1	Page 1/1
		Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
		No.	3316.101	06

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

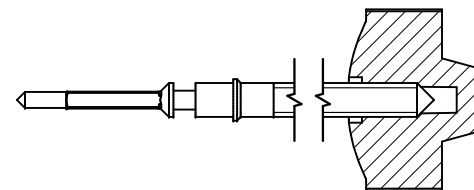
* Bei abweichenden Werten, bitte technischen Kundendienst anfragen

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



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

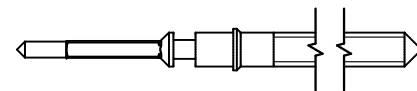
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.189.CO	19.30	10.57	23.37	10.15	0.90	1.10



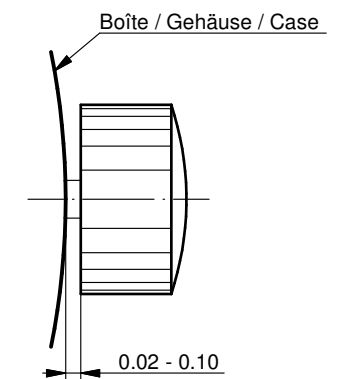
Couleur de la couronne Kronenfarbe Crown color	marron kastanienbraun chestnut
Code	UN 8018

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

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.189	19.30	10.57	23.37	10.15	0.90	1.10
3000.199	25.00	16.27	29.07	15.85	0.90	1.10



Couronne normale
 Normale Krone
 Normal crown

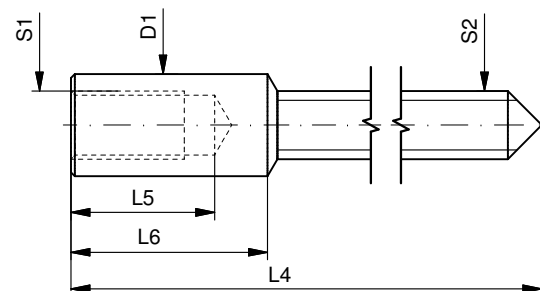


Couronne vissée
 Geschraubte Krone
 Screwed crown

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

6003.B, 6003.D, 6004.B,
 6004.D

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.	5030.021	01
-----	----------	----

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

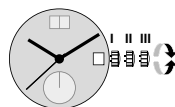
Cal. 505

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.

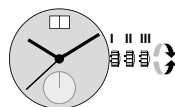
Pos. III Setting the time

- 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)

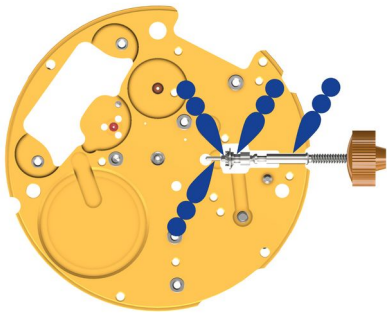
Pos. II Quick-change correction for date





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.

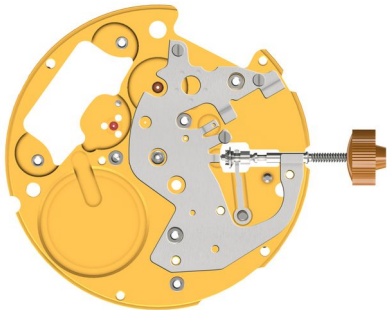
- Pull the crown out to position II (watch still running).
- Turn the crown until the current date appears.
- Push the crown back into position I.






Pos. III Setting the time

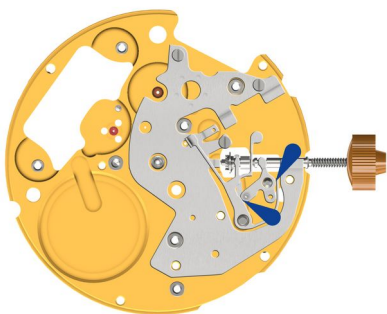
- Pull the crown out to position III (watch stopped).
- Turn the crown, until the current time is displayed (remember the 24-hour cycle).
- Push the crown back into position I.






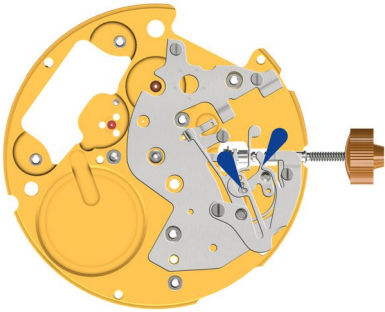
- | | | | |
|---|---|-------------|--------------------|
| 1 |  | 2000.675.G | Main plate |
| 2 |  | 3000.189.CO | Working stem L19mm |
| 3 |  | 3001.056.FI | Sliding pinion D |
| 4 |  | 9020 | Moebius 9020 |




- | | | | |
|---|---|----------|---|
| 5 |  | 2130.252 | Setting mechanism cover |
| 6 |  | 4000.321 | Screw |
| 7 |  | 4000.321 | Screw |
| 8 |  | 4000.321 | Screw |
| 9 |  | 3015.083 | Bottom yoke
Insert bottom yoke under the sliding pinion. |




- | | | | |
|----|---|-------------|------------------------------------|
| 10 |  | 3017.056.CO | Setting lever |
| 11 |  | 3015.082 | Yoke
Tensioning the spring arm. |
| 12 |  | 8200 | Moebius 8200 |

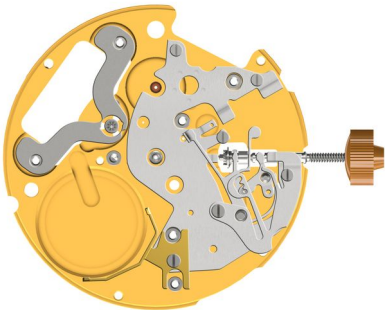



13  3905.069 Setting lever jumper


14  4000.312 Screw


15  4000.328 Screw


16  8200 Moebius 8200

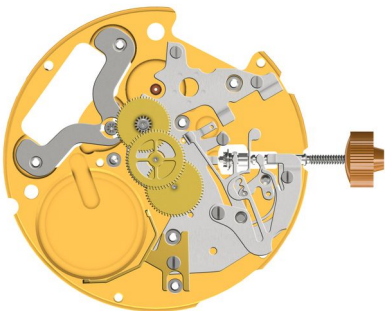


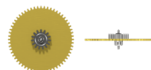
17  3601.117.G Battery clamp (+)

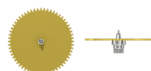
18  4000.244 Screw

19  3622.042 Stator
Mark "Z" on stator.

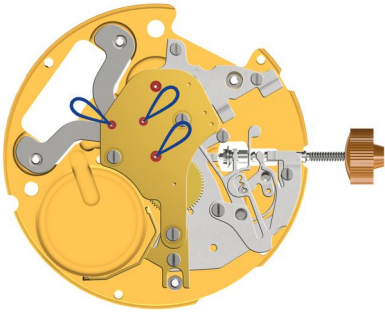
20  3715.103.RK Rotor








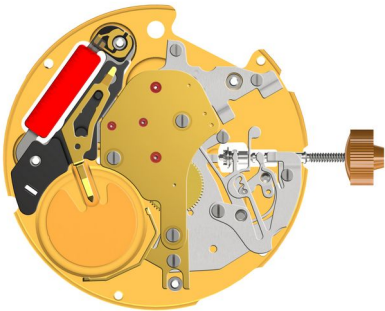
21  3147.056.CO Intermediate wheel





22  3122.059.CO Third wheel

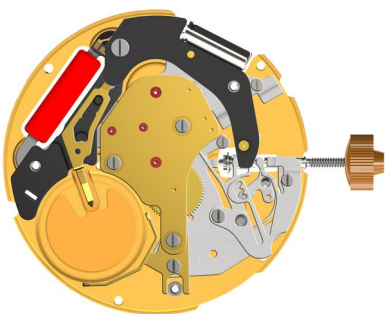
23  3136.164.CO Center second wheel (Aig.)





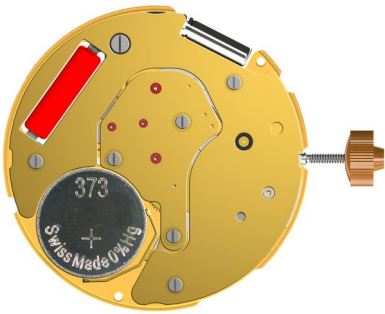
- | | | | |
|----|---|------------|--------------------|
| 24 |  | 2020.180.G | Train wheel bridge |
| 25 |  | 4000.279 | Screw |
| 26 |  | 4000.279 | Screw |
| 27 |  | 4000.279 | Screw |
| 28 |  | 9014 | Moebius 9014 |





- | | | | |
|----|---|-------------|--|
| 29 |  | 3621.060.RK | Coil
<small>Attention: Please hold the coil only on the grey coil core.</small> |
| 30 |  | 3603.075 | Battery insulator |
| 31 |  | 3603.074 | Bridle (-) insulator |
| 32 |  | 3601.116 | Bridle - |





- | | | | |
|----|---|-------------|-------------------|
| 33 |  | 3612.270.RK | Electronic module |
| 34 |  | 4000.318 | Screw |



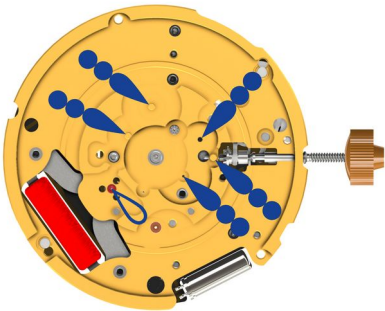
35  2130.168.G.M01.6003D Electronic module cover


36  4000.102 Screw


37  4000.102 Screw

38  4000.102 Screw

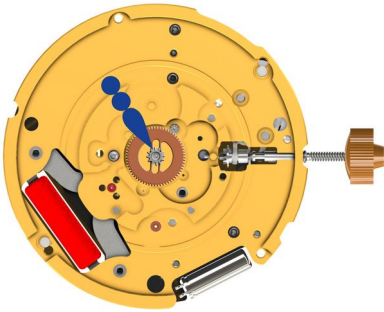
39  3600.031.HGF Battery 373 (Ø 9.45 x 1.65)




40  9020 Moebius 9020

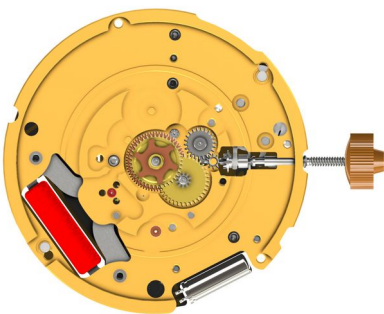
41  9020 Moebius 9020









42   3305.344.CO Cannon pinion (Aig.)



43  9020 Moebius 9020

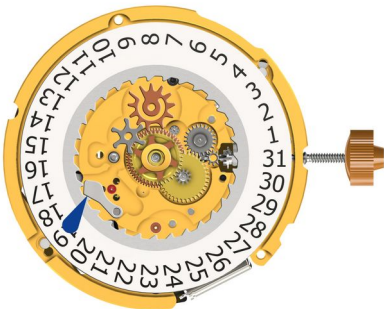



44   3004.253.FI Setting wheel

45   3004.252.FI Intermediate setting wheel

46   3007.087.CO Minute wheel


47   3301.334.CO Hour wheel (Aig.)




48  3315.001 Friction spring

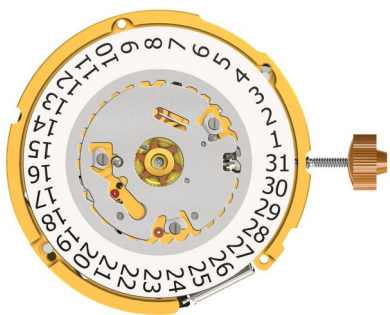
49  3147.084 Date intermediate setting wheel






50  3004.235 Date indicator driving wheel D

51  3504.239.AA.1.A Date indicator (T3, G3)

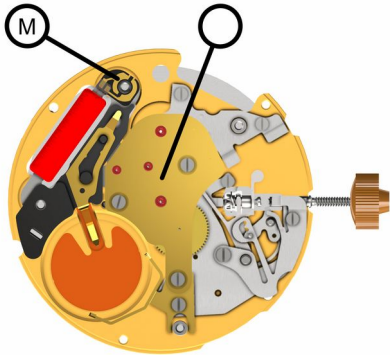
52  3500.077 Date jumper

53  8200 Moebius 8200

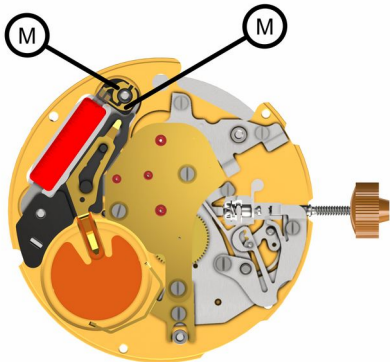


54		3905.103	Date jumper spring Lube and insert the spring.
55		2130.217	Date indicator maintaining plate
56		4000.300	Screw
57		4000.300	Screw
58		4000.300	Screw

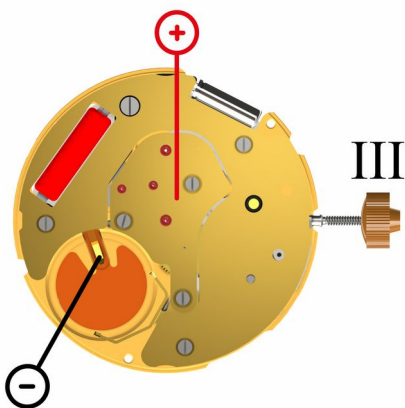
Measurement



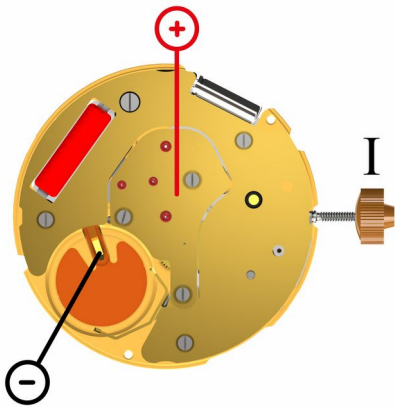
Coil insulation M
infinite



Coil condition movement
(min./max.) 1610 - 1810 Ohm (3621.060.RK)



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.

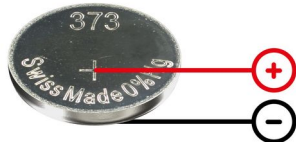
(typ./max.) 1.03 / 1.85 μ A

60s measuring interval

-10 .. +20s/mth

Lower working voltage limit

<1.20 V



Battery tension

typ 1.5V (3600.031.HGF)