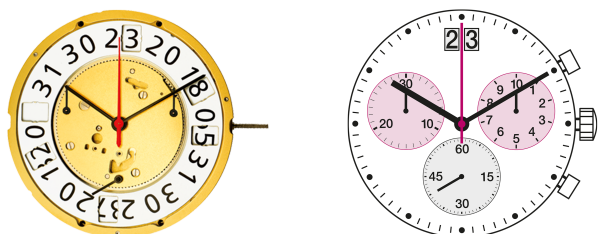


Quartz Movements

计时功能

朗达 明星系列

型号 8040.B - 15'''



产品规格

指针式石英机芯

系列

明星系列

型号

8040.B

尺寸

15'''

版本 瑞士制造

13 钻石 / 金色

电池寿命

48 月

标准针高

1

特点

- 金属机芯，可修理
- 拉停把心省电功能：节省大概70%耗电
- 两个按掣简易操作
- 大日历可快调

功能

- 30分钟计时小眼
- 中心大秒计时（1/1秒）
- 10小时计时小眼
- 1/10 秒计时直至30分钟
- 积累及分段计时
- 计时
- 大日历
- 小秒针

Quartz Movements

计时功能

朗达 明星系列

型号 8040.B - 15'''

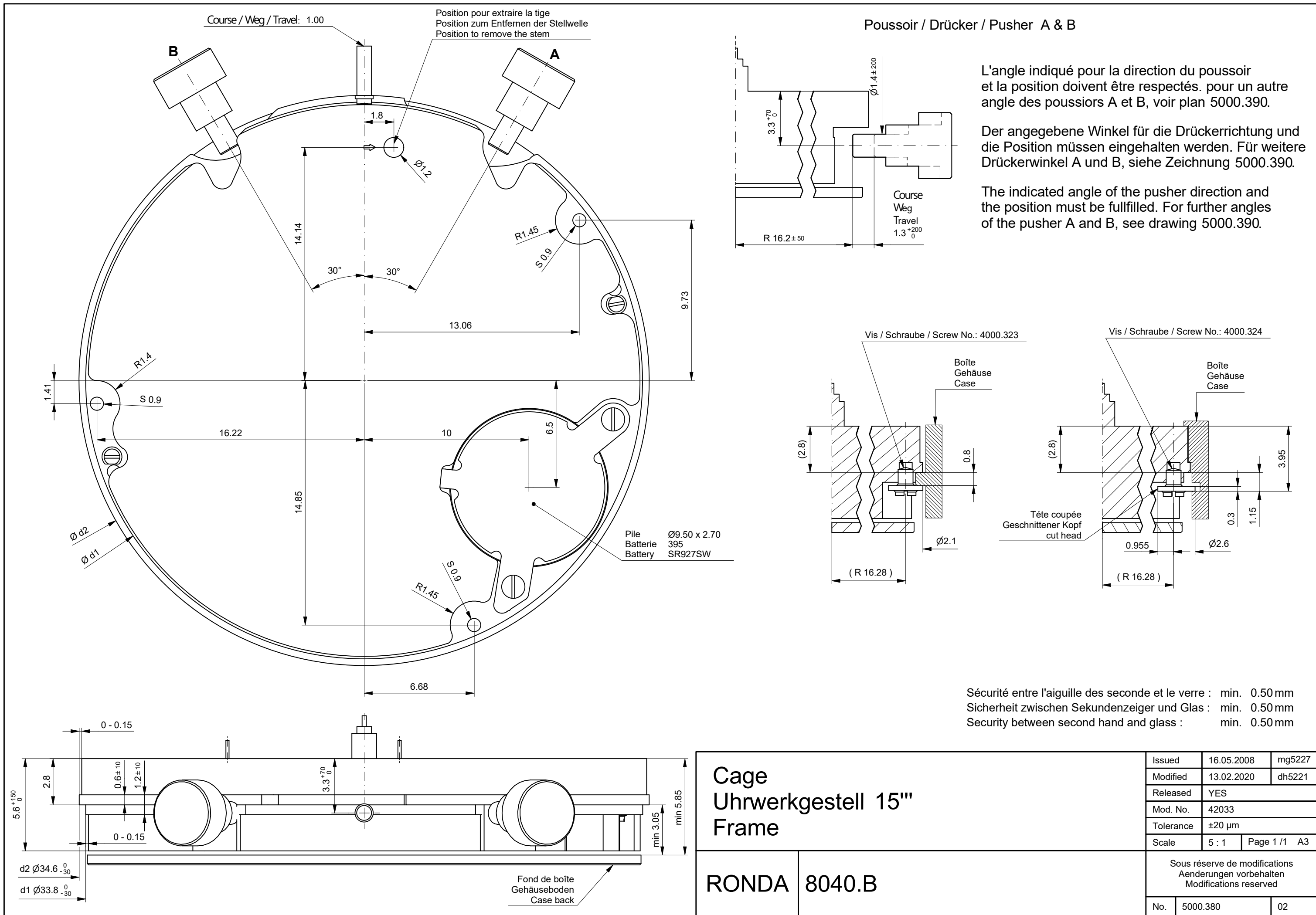
技术规格

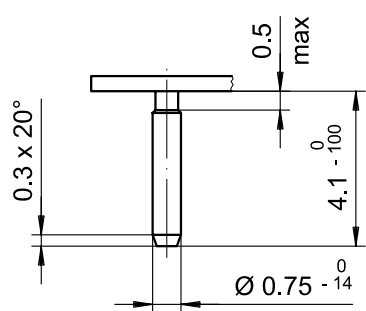
机芯直径	34.60 mm
内罩座位直径	33.80 mm
机芯厚度	5.60 mm
电池以上厚度	5.60 mm
机芯座位	0.60 mm
把中	3.30 mm
把心行程	1.00 mm
把心螺纹直径	0.90 mm
秒针运行扭力 - 一般情况下	6 μ Nm
分针运行扭力 - 一般情况下	300 μ Nm
计时大秒针运行扭力 - 一般情况下	7 μ Nm
运作温度	0 - 50 ° C
误差率	-10/ +20 秒/月
防磁度	18.8 Oe
防震度	NIHS 91-10



电池规格

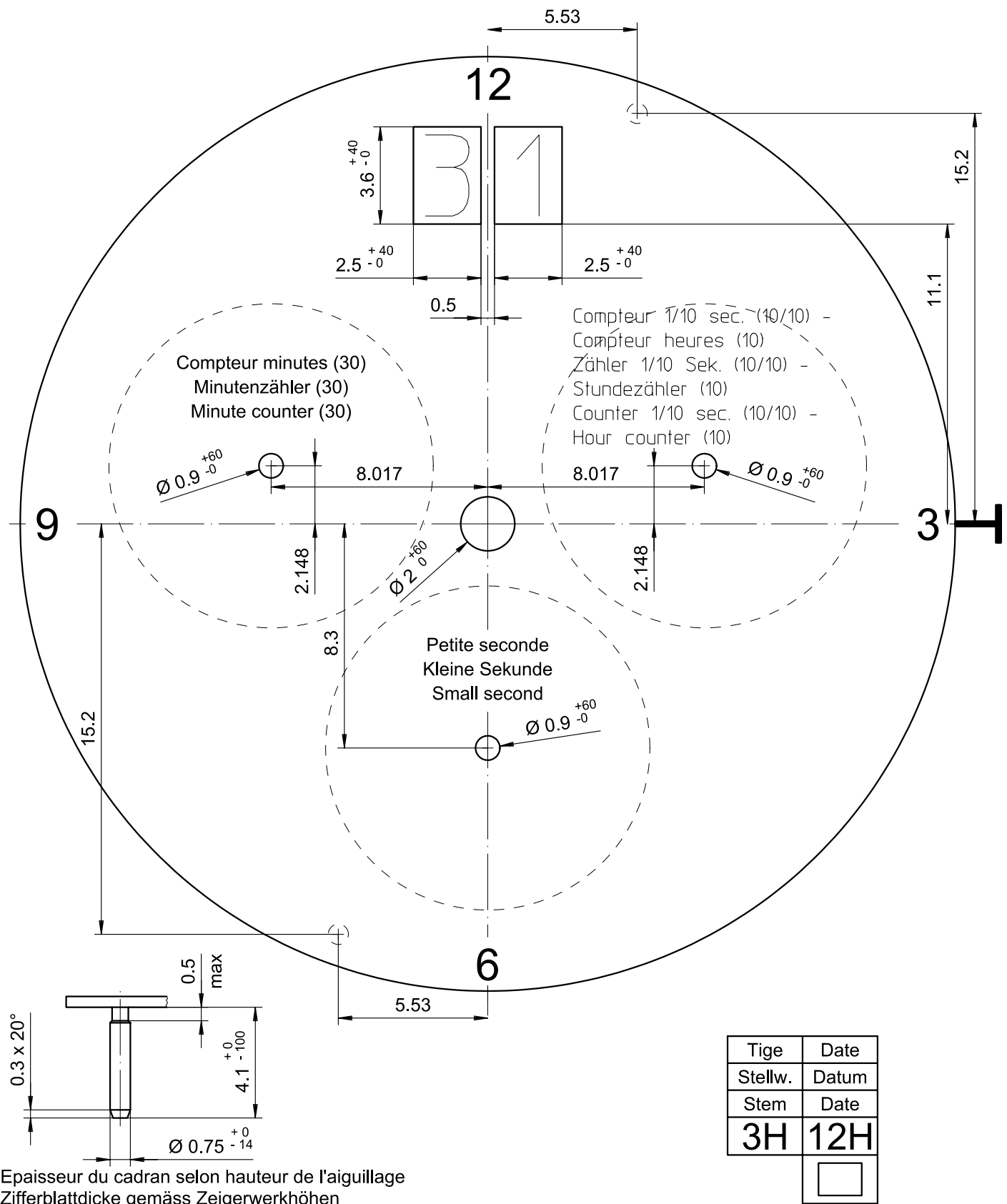
电池类型	型号 395
电池寿命	48 月
电压	1.5 V
电耗 - 一般情况下	1.48 μ A (日历不在跳动当中)
电耗 - 上限	2 μ A (日历不在跳动当中)





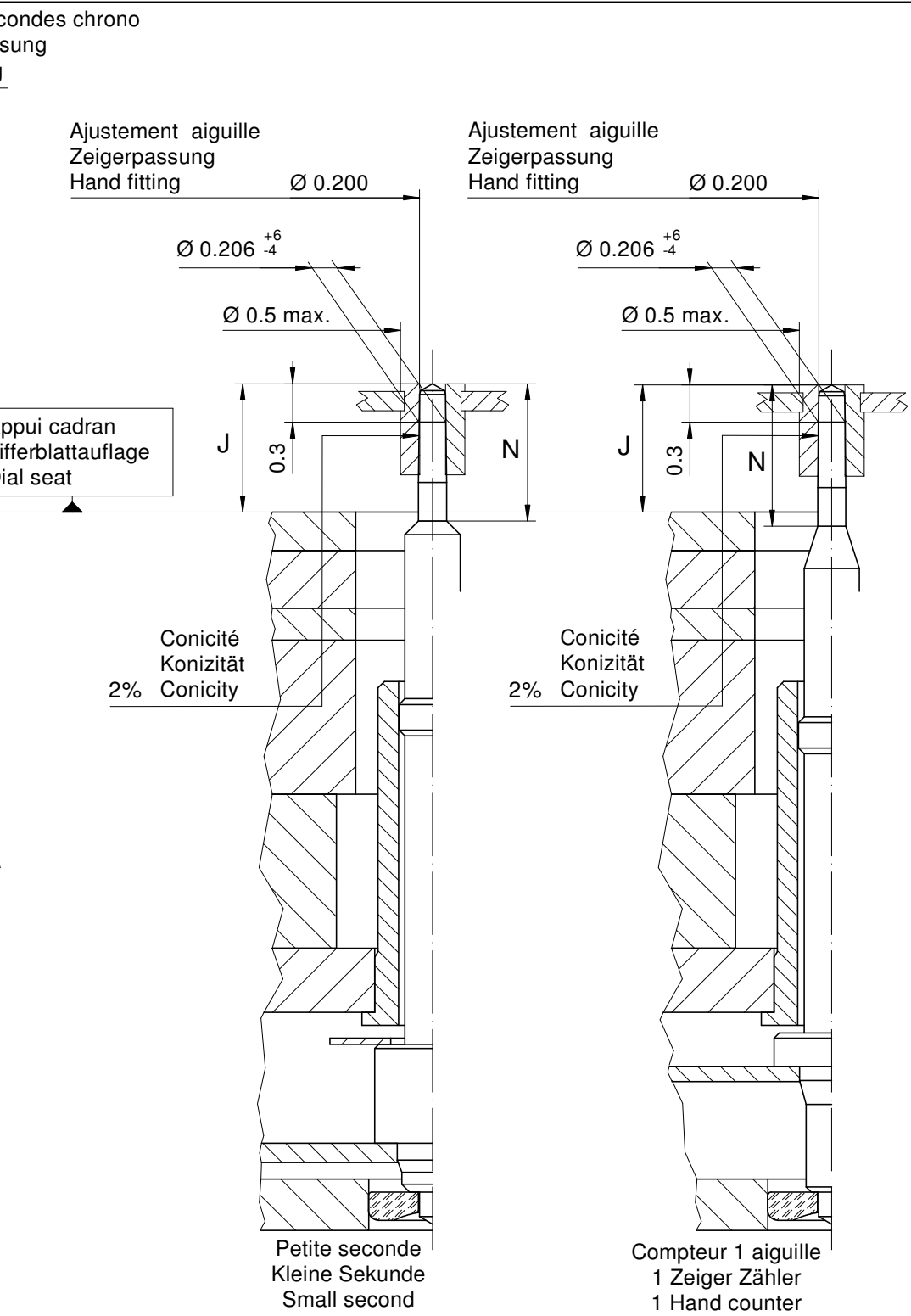
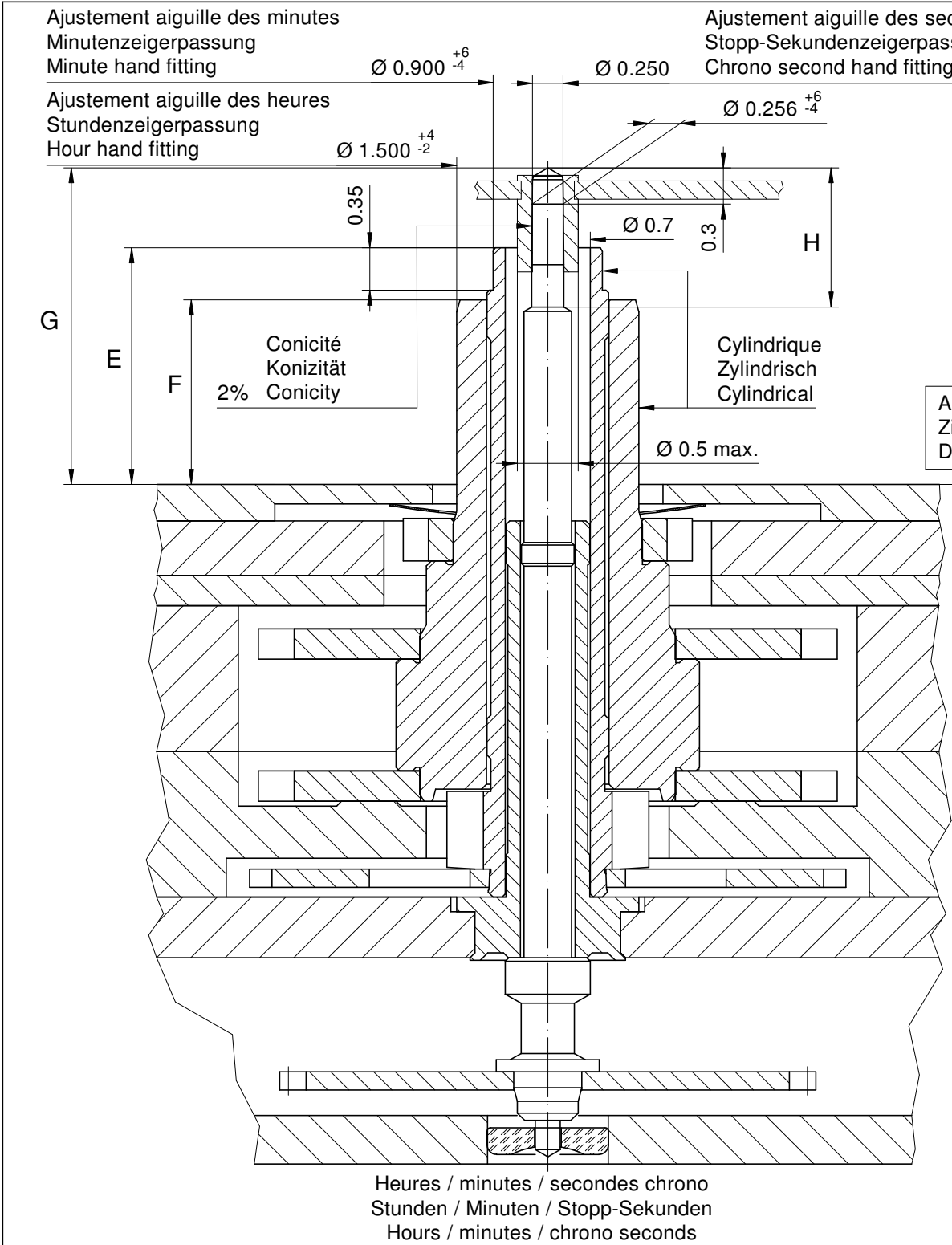
Tige	Date
Stellw.	Datum
Stem	Date
3H	6H
	<input type="text"/>

<div> <div>Cadran</div> <div>Zifferblatt</div> <div>Dial</div> </div> <div>15"</div>		Issued	06.12.2010	dh
		Modified	06.12.2010 ÄÄ 10074	dh
		Released	YES	
		Tolerance	+/- 20 µm	
		Scale	5 : 1 (A4V)	
RONDA	8040.B	Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
		No.	5010.014	00



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

Cadran Zifferblatt Dial		15'''		Issued	16 Mai 2008	mg
				Modified	12 Feb 2010 ÄA 5198	fl
				Released	YES	
				Tolerance	+/- 20 µm	
				Scale	5 : 1 (A4V)	
RONDA	8040.B	Sous réserve de modifications Änderungen vorbehalten Modifications reserved				
		No.	5010.805	00		



Aiguillages Zeigerwerkhöhe Hand fitting height							
Dépassement Höhe über Zifferblattauflage Height over dial seat							
No	Pignon des secondes chrono Stopp-Sekundentrieb Chrono second pinion	Chaussée Minutenrohr Cannon-pinion	Roue des heures Stundenrad Hour wheel		Petite seconde Kleine Sekunde Small second	Pignon compteur Zählertrieb Counter pinion	1 aig. 1 Zeiger 1 Hand
1	G	E	F	H	N	J	J
-	2.61	1.95	1.52	1.15	1.05	1.00	1.00

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 chrono Unter Stopp-Sekundenzeiger Under chrono second hand	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 compteur 1 aiguille Unter Zeiger 1 Zeiger Zähler Under hand 1 hand counter	Epaisseur des aiguilles Zeigerdicke Hands thickness
1	2.10	1.55	1.10	0.55	0.55	0.15
-						

		Aig. des sec. chrono Stopp-Sekundenzeiger Chrono second hand	Aig. des minutes Minutenzeiger Minute hand	Aig. des heures Stundenzeiger Hour hand	Aig. petite secondes Kleine Sekundenzeiger Small second hand	Aiguille compteur minute Zähler Zeiger Minute Counter hand minute	Aiguille compteur 1/10 sec. Zähler Zeiger 1/10 Sek. Counter hand 1/10 sec.	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	10	10	10	Masse / Masse / weight
µNm	max.	0.06	0.80	0.80	0.07	0.03	0.02	Balourd / Unwucht / unbalance
gmm ²	max.	1.0	---	---	0.4	1.0	1.0	Inertie / Massenträgheit / Inertia
N	max.	30	40	40	30	30	30	Force de chassage / Aufpresskraft / Force

Aiguillages Zeigerwerkhöhen 15 ''' Hand fitting heights		Issued	02 Jun 2008	mg
		Modified	15 Okt 2014 ÄÄ 13275	dh
		Released	Yes	
		Tolerance	µm	
		Scale	20 : 1 (A3H)	
RONDA 8040.B		Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
		No.	3316.123	02



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
3000.203.CO	21.30	11.67	28.57	11.12	0.90	1.10



Couleur de la couronne Kronenfarbe Crown color	gris foncé dunkelgrau dark grey
Code	UN 7005

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

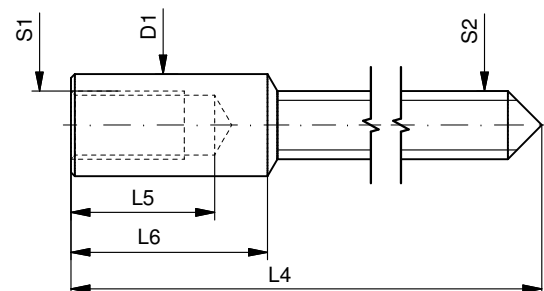
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.203	21.30	11.67	28.57	11.12	0.90	1.10



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

8040.B, 8040.N

Issued	07 Sep 2012	ds5222
Modified	25 Apr 2017 ÄA 34582	mg5224
Released	YES	
Tolerance	---	
Scale	10:1 (A3)	
Sous réserve de modifications Äenderungen vorbehalten Modifications reserved		
No.	5030.023	01



Movement holder
Removing setting stem
H8XXX.1T



Movement holder
Setting hands
H8XXX.1A

Fitting dial and hands

- 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
- Point all hands towards 12 o'clock
- Set time
- Zero chrono hand*
- Crown in position II
- Set date
- Crown in position I

Date switching duration

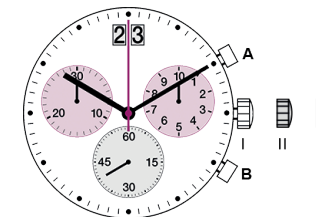
First and tenth digit discs

~2hrs

*Zeroing chronograph hand

- Activate pushers A and B for 2 seconds at the same time
(Chrono seconds hand rotates once)
- Pusher A → to correct chrono seconds hand
- Pusher B → to jump to hour hand
- Pusher A → to correct hand position
- Pusher B → Jo jump to minute hand
- Pusher A → to correct minute hand

Details: See Instruction Manual



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.

瑞士朗达是一个机芯供应商, 没有参与制造或分销成表。

若有任何手表相关之疑问, 如维修、保证期内投诉或手表功能问题, 请联络手表零售商、服务中心或制造商。所有联络资料可向您的销售员查询或参考保证文件。

显示和控制按钮描述

显示项目

8040.N

分针
1/10 秒计
(30分钟后变时计)
回弹式星期指针
时针
分钟计
中心秒计
日期
秒针

按钮 A & B

把的

显示项目

8040.B

分针
1/10 秒计
(30分钟后变时计)
日期
时针
分钟计
中心秒计
秒针

按钮 A & B

把的

计时器(基本功能)

(开始 / 停止 / 还原)

例子:

1 开始: 按下按钮 A.

2 停止: 再按下按钮 A 停止计时, 然后阅读计时计:
4 分钟 / 38 秒 / 7/10 秒

3 返回零位置:
按下按钮 B
(计时指针会还原到零位置)

计时器: 计算累积时间

例子:

1 开始: (开始计时)

2 停止: (例子: 15 分 5 秒 1 后)

3 再开始: 继续计时

4 停止: (例子: 5 分 12 秒 3 后)
= 20 分 17 秒
(显示累积计算时间)

5 还原: 计时指针会还原到零位置。

注意:
* 步骤 1 后, 可再按下按钮 A 继续计算累积时间 (再开始 / 停止, 再开始 / 停止, ...)

设定时间

1 把的拉至位置 III (腕表停止运行)。

2 转动把的至正确时间 8:45.

3* 推把的回位置 I

注意:
为了设定准确的秒数, 当秒针指向 <60, 拉把的设定是完小时及分钟后, 必须在正确的秒数将把的推回位置 I

计时器: 计算分段时间

例子

1 开始: (开始计时)

2 显示分段时间:
例子 20 分钟 17 秒 (指针停止, 计时器仍然在背 后运行)

3 追时:
(计时指针会迅速到持续计算的时间)。

4 停止: (显示最后的时间)

5 还原: 计时指针返回零位置

注意:
* 步骤 1 后, 可再按下按钮 B 继续计算分段时间 (显示分段时间 / 追时, ...)

设定日期 (快速模式)

1 把的拉至位置 II (腕表 继续运行)。

2 转动把的至正确日期 01.

3* 推把的回位置 I.

注意:
8 PM 至 12 AM 为日历转换时段, 若在这时段内快速设定日期, 必须比正确日期多转一天, 因为在这情况下午夜时日历不会自动转换。
过快转换日历(大日历)可能令日期显示错误转换日期由 01 至 31 (把的位置 II) 可使日期再次同步化

调较计时指针到零位置

例子:
当有时计指针不在零位置时, 便需要调较指针 (例如: 更换电池后)。

1 把的拉至位置 III (计时指针在/不在零位置)。

2 同时持续按下按钮 A 及 B 最少 2 秒 (中心秒计会转动 360° → 修正模式启动)。

设定日期 / 星期 (8040.N) / 时间

例子:
- 腕表上的日期/时间 17 / 01:25 / MON
- 现在的日期/时间 23 / 20:35 / SAT

1 把的拉至位置 III (腕表停止运行)。

2 转动把的至昨日星期日 FRI

3 把的拉至位置 II

4 转动把的至昨日日期 22

5* 把的拉至位置 III (腕表停止运行)。

6 继续转动把的至正确日期 23 及星期日 SAT

7** 继续转动把的至正确时间 8:35 PM

8 推把的回位置 I

注意:
* 为了设定至准确的秒数 请参阅节录 « 设定时间 »。
** 请注意腕表上的 AM/PM 模式

调较中心秒针

单步前进 1 x 短按
连续前进 长按

调较下一支指针 B

调较 1/10 秒计 (3 时位置)

单步前进 1 x 短按
连续前进 长按

调较下一支指针 B

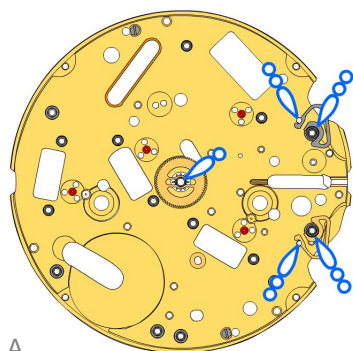
调较分钟计 (9 时位置)

单步前进 1 x 短按
连续前进 长按

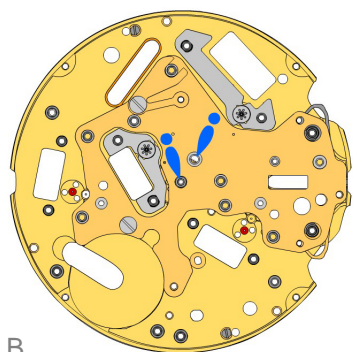
推把的回位置 I
结束调较计时指针 (能在任何时候执行)。

电池种类: 395 (直径 9.5mm x 2.6mm / SR 927 SW)

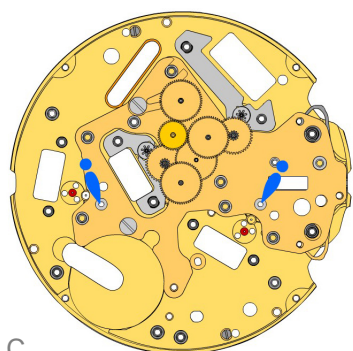
误差规格: +20 / -10 秒(每月)





A


















B

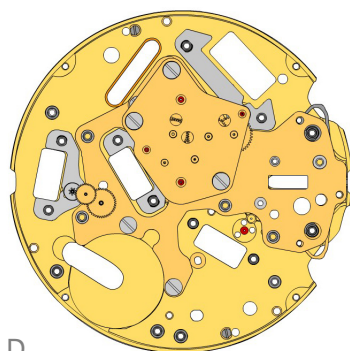


C

2000.700.G 1.		Main plate
3406.038 2.		Pusher jumper A Put the yellow jumper between the two posts on the closer side.
3406.030 3.		Pusher jumper B Put the grey jumper between the two posts on the further side.
3305.364.CO 4.		Canon pinion (Aig.1)

2030.029 5.		Center bridge Center bride held by 2 screws 4000.250.
4000.250 6.		Screw
3406.040 7.		Friction spring Friction spring held by 1 screw 4000.250.
4000.250 8.		Screw
3622.055 9.		Stator
3622.054 10.		Stator chrono Mark 1 on stator.
3715.119.RK 11.		Rotor
3715.119.RK 12.		Rotor

3147.073.CO 13.		Intermediate wheel
3147.074.CO 14.		Intermediate wheel chrono
3122.067.CO 15.		Third wheel
3136.180.CO 16.		Chronograph wheel
3136.179.CO 17.		Second wheel
3136.178.CO 18.		Small second wheel
3004.203.CO 19.		Reverse wheel



D

2020.188.G
20.



Train wheel bridge
Train wheel bridge held by 2 screws 4000.250.

4000.250
21.



Screw

3622.039
22.



Stator

3402.012.CO
23.



Minute counting wheel (30min)

3715.120.RK
24.

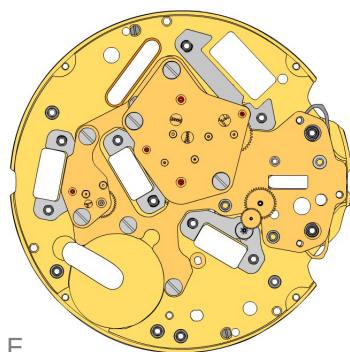


Rotor

3147.076.CO
25.



Intermediate wheel (counter 30min)



E

2020.191.G
26.



Counter train wheel bridge (9h30)
Train wheel bridge held by 2 screws 40000.250. Mark [2].

4000.250
27.



Screw

3622.039
28.



Stator

3402.013.CO
29.



Counting wheel (1/10 s)

3715.120.RK
30.



Rotor

3147.075.CO
31.



Intermediate wheel (counter 1/10 s)

2020.190.G
32.

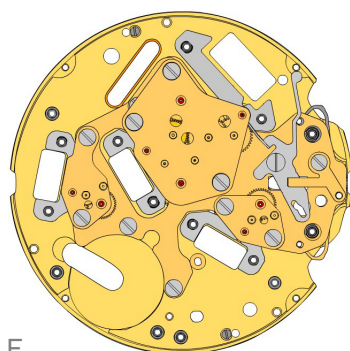


Counter train wheel bridge (2h30)
Train wheel bridge held by 2 screws 40000.250. Mark [2].

4000.250
33.



Screw



F

3016.029
34.



Stop lever
Stop lever held by 1 screw 4000.249.

4000.249
35.



Screw

2130.222
36.

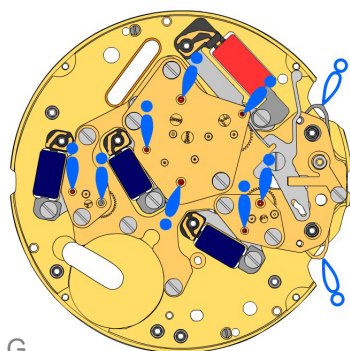


Maintaining plate
Maintaining plate held by 1 screw 4000.248

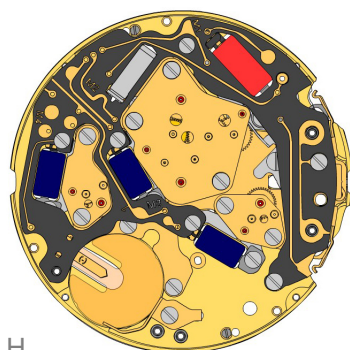
4000.248
37.



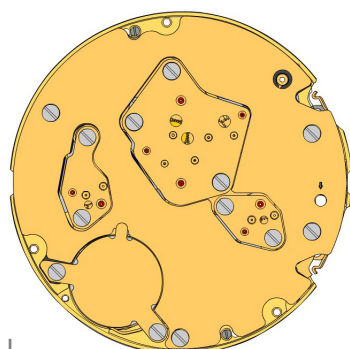
Screw








G
















H

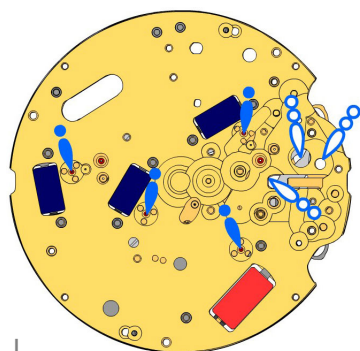


I

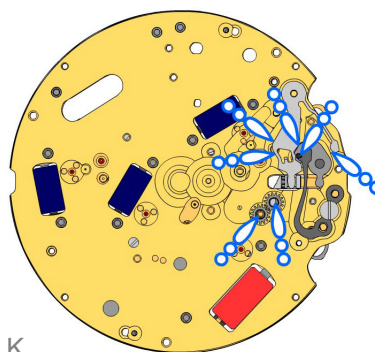
3621.072.RK 38.		Coil Attention: Please don't hold the coil on the black side. Else the wire support can break.
3621.055.RK 39.		Coil counter Attention: Please don't hold the coils on the black side. Else the wire support can break.
3621.055.RK 40.		Coil counter Attention: Please don't hold the coils on the black side. Else the wire support can break.
3621.055.RK 41.		Coil counter Attention: Please don't hold the coils on the black side. Else the wire support can break.
4000.250 42.		Screw

3603.089 43.		Battery insulator
3601.134 44.		Pusher contact spring
3612.218 45.		Electronic module Electronic module held by 6 screws.
4000.248 46.		Screw 4 screws 4000.248 for pressing the module on the coils.
4000.250 47.		Screw 2 screws 4000.248 for pressing the module on the 2 posts.
3601.132.G 48.		Lateral bridle Lateral bridle held by 1 screw 4000.250.
4000.250 49.		Screw

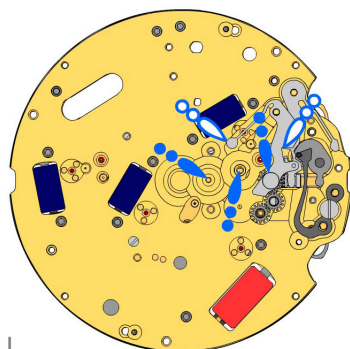
3603.090 50.		Circuit insulator
2130.206.G.M01.8040B 51.		Electronic module cover Electronic module cover held by 4 screws 4000.250
4000.250 52.		Screw
3600.010.HGF 53.		Battery 395
3601.133.G 54.		Bridle + Bridle + held by 2 screws 4000.250.
4000.250 55.		Screw



J



K



L

2000.700.G
56.



Main plate

3017.054.CO
57.



Setting lever

3001.046
58.



Sliding pinion

3015.088
59.



Yoke

3905.063
60.



Setting lever jumper
Lever held by 1 screw 4000.282

4000.282
61.



Screw

3004.200
62.



Corrector setting wheel

3004.200
63.

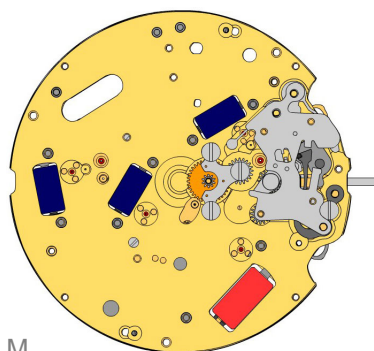


Corrector setting wheel

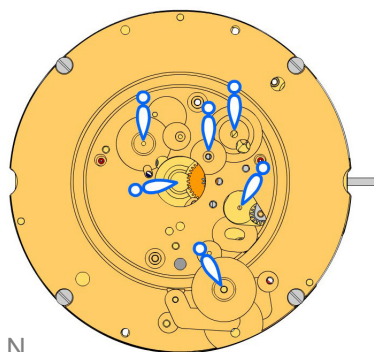
3015.087.CO
64.



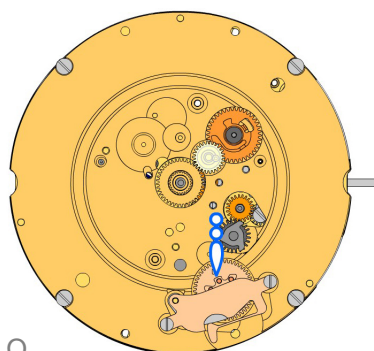
Setting wheel yoke





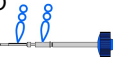














M

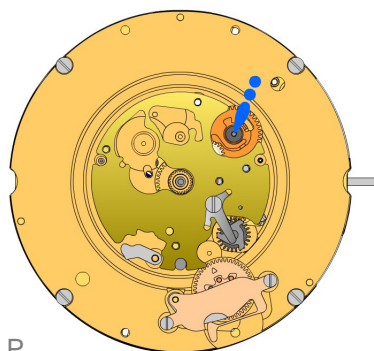


N

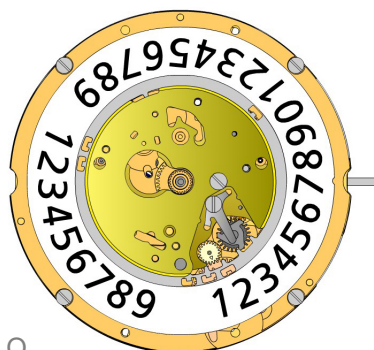


O

2130.208 65.		Setting mechanism cover Setting mechanism cover held by 4 screws 4000.305.
4000.305 66.		Screw
3004.203.CO 67.		Setting stem Attention on the right position of the sliding pinion.
3004.222 68.		Intermediate setting wheel
3007.079.CO 69.		Minute wheel
2130.209 70.		Minute train bridge Minute train bridge held by 3 screws 4000.278.
4000.278 71.		Screw
2000.671.G 72.		Main plate retro Minute train bridge held by 4 screws 4000.248.
4000.248 73.		Screw
3004.220 74.		Tens indicator driving wheel The short tooth of the tens indicator driving wheel must point to the center of the movement.
3500.072 75.		Tens jumper
2130.187 76.		Tens jumper maintaining plate Tens jumper maintaining plate held by 2 screws 4000.279. Tensioning the spring arm.
4000.279 77.		Screw
3301.292.CO 78.		Hour wheel
3004.208.CO 79.		Date indicator driving wheel
3147.061 80.		Intermediate date wheel
3147.066.CO 81.		Date corrector setting wheel







P














Q







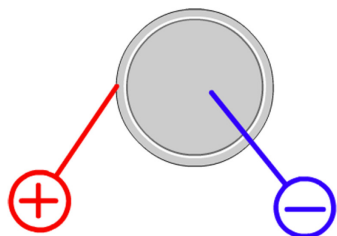
R

2130.188 82.		Date indicator plate
3905.068 83.		Date corrector spring Date corrector spring held by 1 screw 4000.244.
4000.244 84.		Screw
3500.068 85.		Date jumper

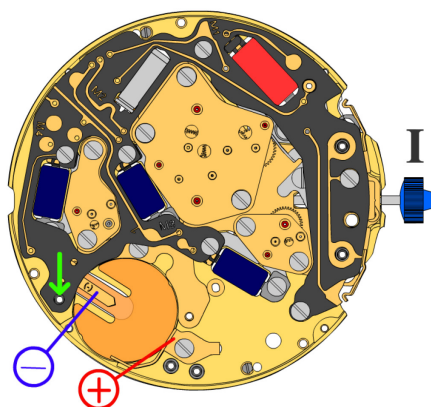
3504.229.AF.1.A 86.		Units indicator (standard) Nick of the indicator at 3 o'clock.
2130.189 87.		Date indicator maintaining plate Date indicator maintaining plate held by 1 screw.
4000.250 88.		Screw
3905.064 89.		Date jumper spring Insert the date jumper spring in the previous opening.
3147.062 90.		Tens intermediate wheel Arrow positioning radially outwards.

3504.230.AF.1.A 91.		Tens indicator (standard) Nick of the indicator at 3 o'clock.
3315.003 92.		Friction spring
2130.190.G 93.		Date mechanism maintaining plate Date mechanism maintaining plate held by 3 screws 4000.320.
4000.320 94.		Screw
3506.077.G 95.		Intermediate Dial support Polished version first.
3506.076.G 96.		Dial support

8200 97.		Moebius 8200
9014 98.		Moebius 9014
124 99.		Jismaa 124
9020 100.		Moebius 9020

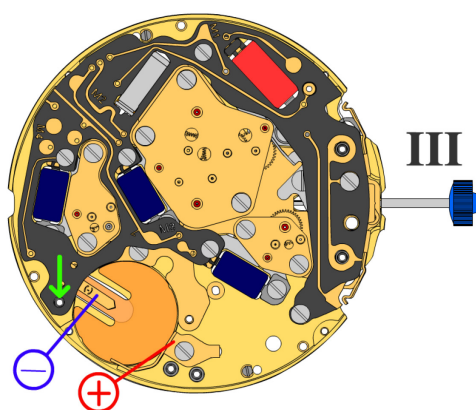


Battery	395
Voltage	1.55 V



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

Typical consumption	1.48 μA
Maximal consumption	2.00 μA
Rate	-10s/M. .. +20s/M.
Lower working voltage limit	1.20 V

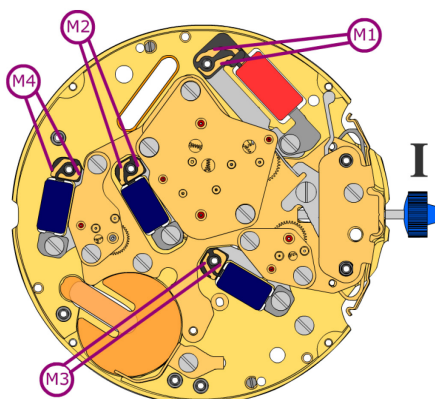


Setting stem in position III, 60 s measuring interval:

Typical consumption	0.10 μA
Maximal consumption	0.30 μA



Hold down the electrical module to allow the electronic flow.

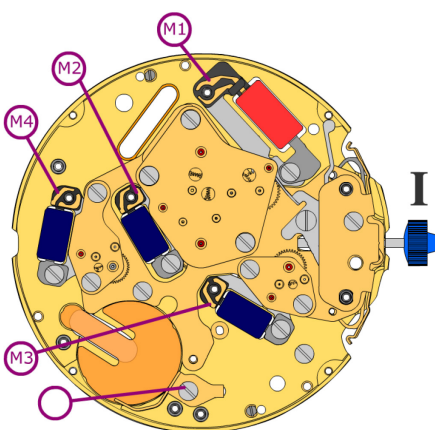


Coil resistance M1 **1.50 k Ω .. 1.70 k Ω**

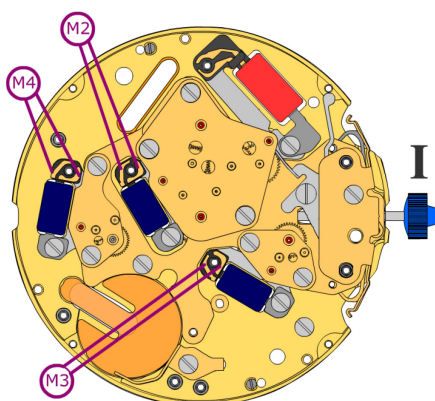
Coil resistance M2 **1.68 k Ω .. 1.88 k Ω**

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**