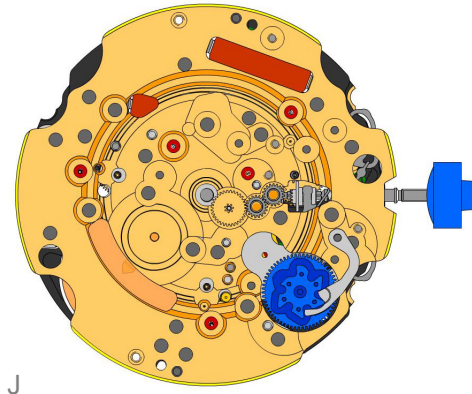


Assembling



46. 2000.574.CO Main plate



47. 9014.000 Moebius 9014
 Use Moebius 9014 on bearing of all rubis



48. 3004.164 Setting wheel
 Use Moebius 9020 on both setting wheels



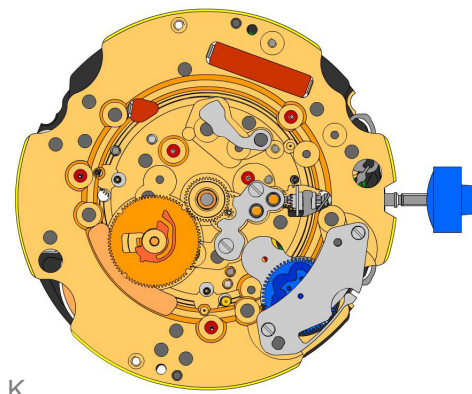
49. 3007.054.CO Minute wheel
 Use Moebius 9020



50. 2130.143 Minute train bridge
 Use 2 screws 4000.305



51. 4000.305 Screw



52. 3004.181 Tens indicator driving wheel
 The short tooth of the tens indicator driving wheel must point to the center of the movement.



53. 3500.059 Tens jumper
 Moebius 8200 greace must be placed between the tens jumper and the tens indicator driving wheel.



54. 2130.142 Tens jumper maintaining plate
 Make shure, that the tens indicator driving wheel is not blocked prior to the fastening process. Use 2 screws 4010.306. Place the spring loaded bracket outside of the tens jumper.



55. 4010.306 Screw



56. 3301.241 Hour wheel (Aig 1)
 Use Moebius 9020



57. 3315.016 Hour wheel friction spring
 Must be placed onto the hour wheel



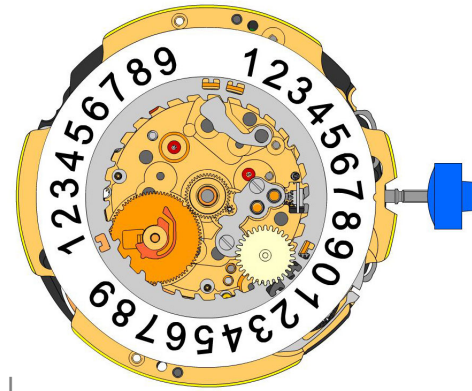
58. 3004.176.CO Date indicator driving wheel
 Moebius 9020 must be used in the center of this wheel



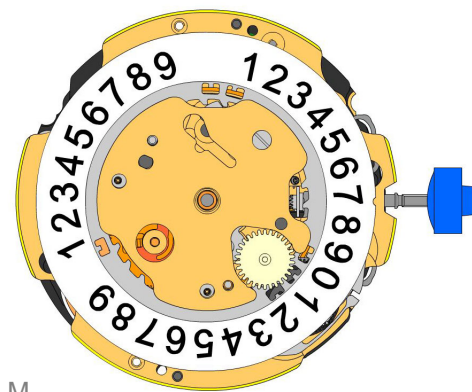
59. 3500.049 Date jumper
 Moebius 8200 greace must be placed between the date jumper and the date jumper spring














Assembling



L

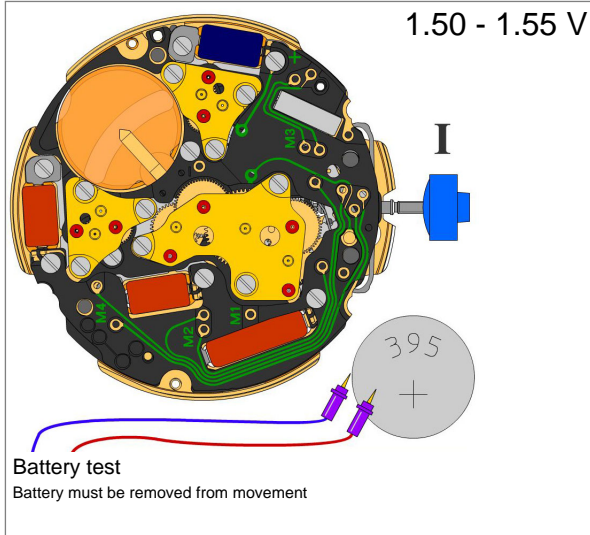


M

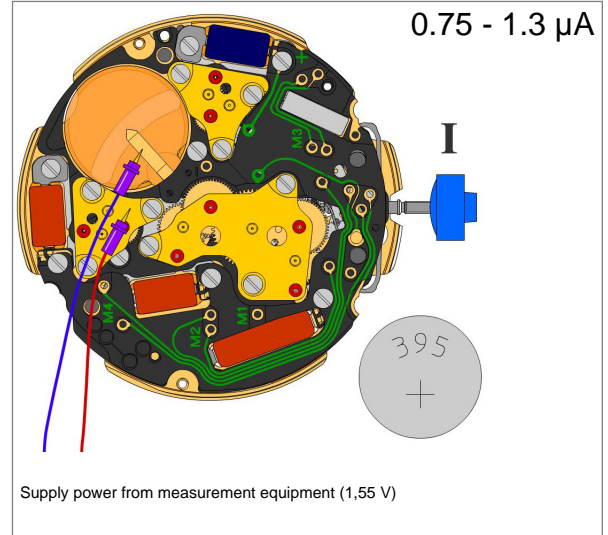
- 60. 3504.214.AF **Units indicator**

 Teeth must be greaced using Moebius 8200. The "half moon" cut out on the unit indicator must point to the stem (position 3h).
- 61. 3147.054 **Tens intermediate wheel**

- 62. 2130.141 **Date indicator maintaining plate**

 Use 1 screw 4000.250
- 63. 3905.050 **Date jumper spring**

 Insert the spring into the opening of the date indicator maintaining plate
- 64. 3504.216.AF **Tens indicator (T3/G12)**

 The "half moon" cut out on the tens indicator must point to the stem (position 3h).
- 65. 2130.140 **Date mechanism maintaining plate**

 Assure that the tens intermediate wheel is not blocked, prior to the fastening process. Use 2 screws 4000.250 to fix the date indicator maintaining plate
- 66. 3506.072 **Dial support**

- 67. 4000.250 **Screw**

- 68. 9010.000 **Moebius 8200**

 Microgliss D5 can be used
- 69. 9018.000 **Jismaa 124**

 Greace Moebius or Microgliss D5 an be used
- 70. 9020.000 **Moebius 9020**


Electrical checking

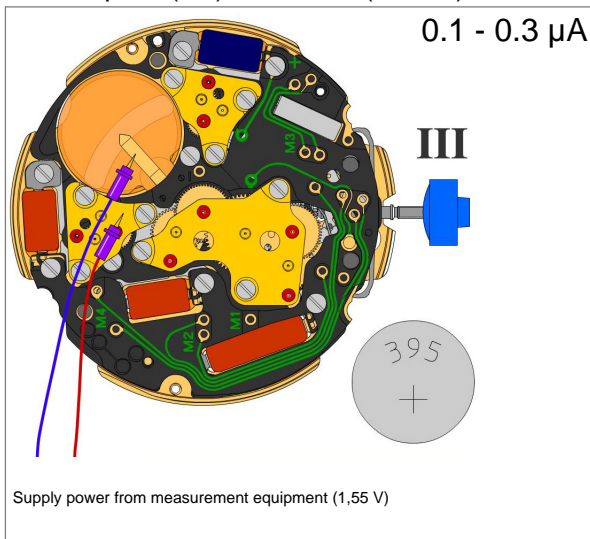
Voltage of battery



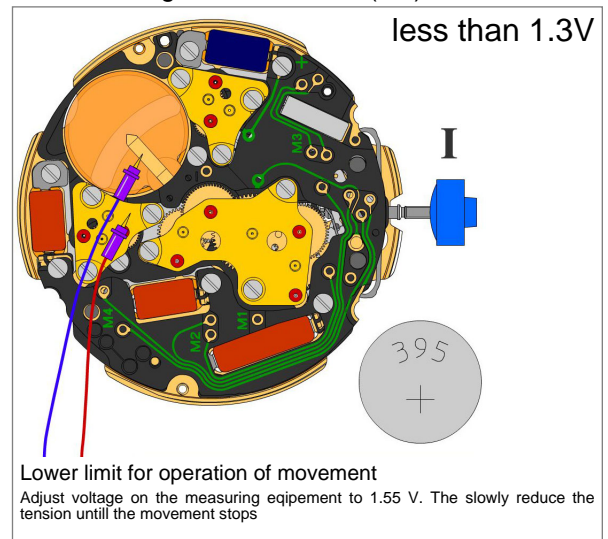
Consumption (M1) of movem. (Pos. I)



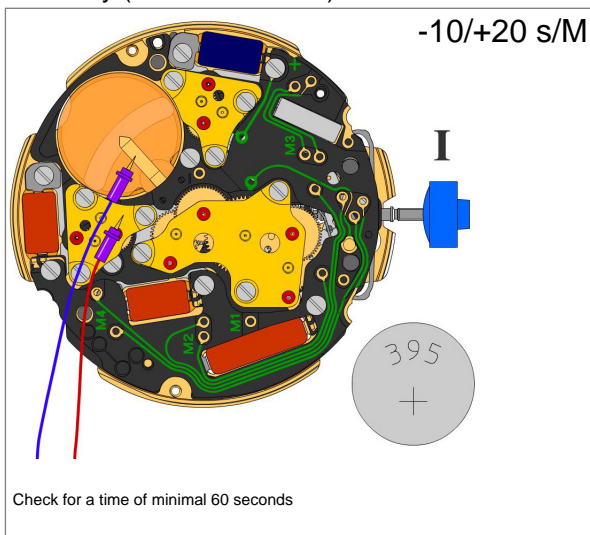
Consumption (M1) of movem. (Pos. III)



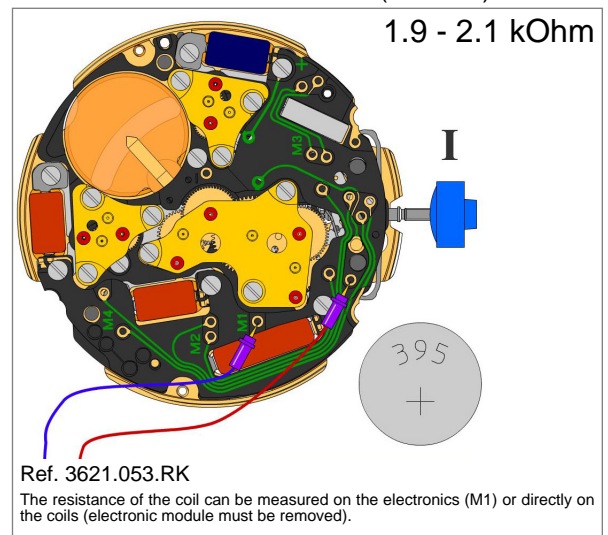
Lowest voltage for movement (M1)



Accuracy (seconds / month)



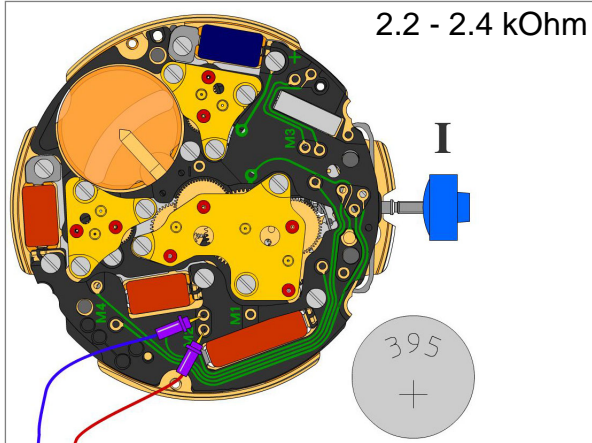
Resistance of the coil: motor 1 (movem.)



Electrical checking

Resistance of the coil: motor 2 (counter)

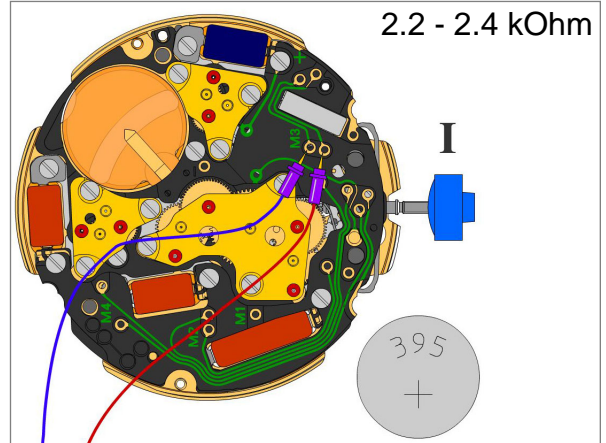
2.2 - 2.4 kOhm



Ref. 3621.054.RK
 The resistance of the coil can be measured on the electronics (M2) or directly on the coils (electronic module must be removed).

Resistance of the coil: motor 3 (counter)

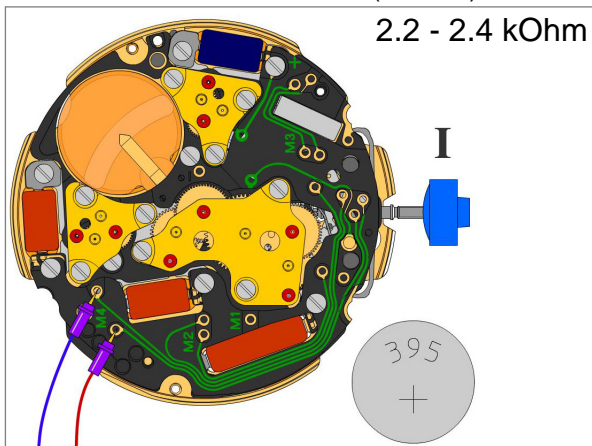
2.2 - 2.4 kOhm



Ref. 3621.055.RK
 The resistance of the coil can be measured on the electronics (M3) or directly on the coils (electronic module must be removed).

Resistance of the coil: motor 4 (counter)

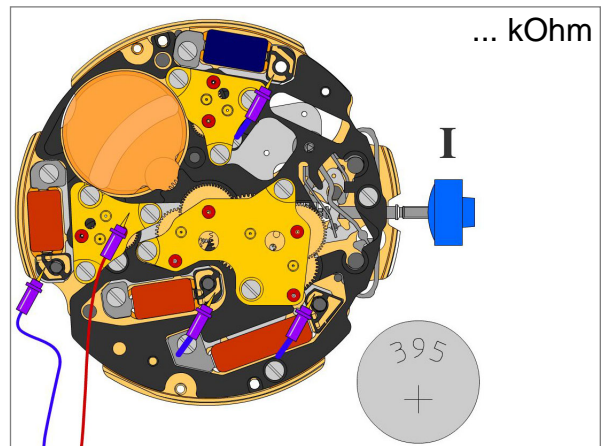
2.2 - 2.4 kOhm



Ref. 3621.054.RK
 The resistance of the coil can be measured on the electronics (M4) or directly on the coils (electronic module must be removed).

Coil insulation: motor 1, 2, 3 and 4

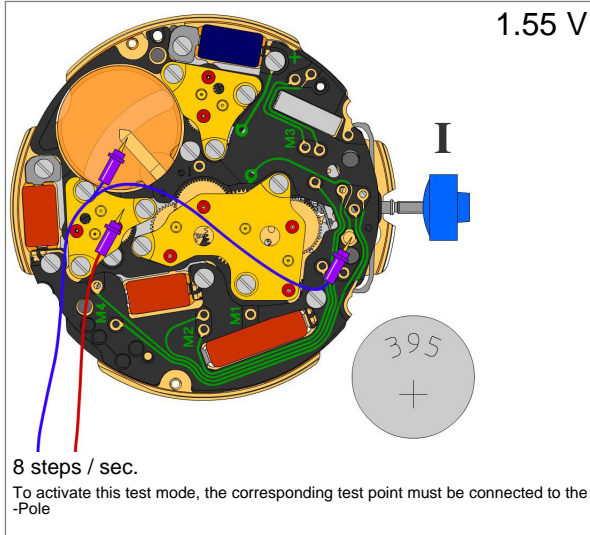
... kOhm



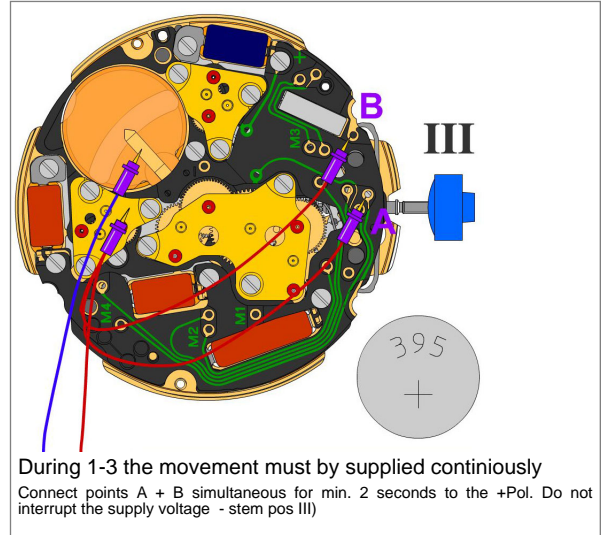
indefinite high
 The resistance between each coil and +pole must be measured (electronic module must be removed)

Test of the motors

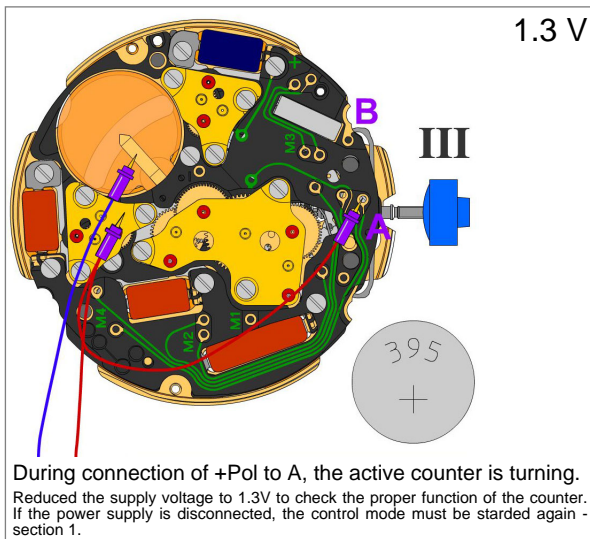
Accelerated test of movement (M1)



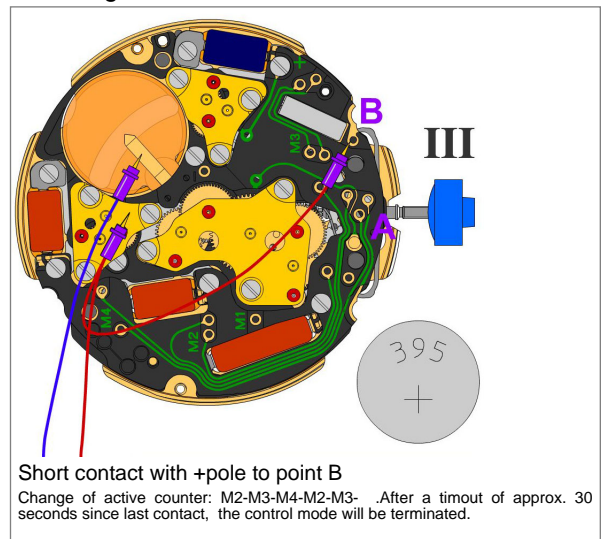
1. Activation of control mode (pos III)

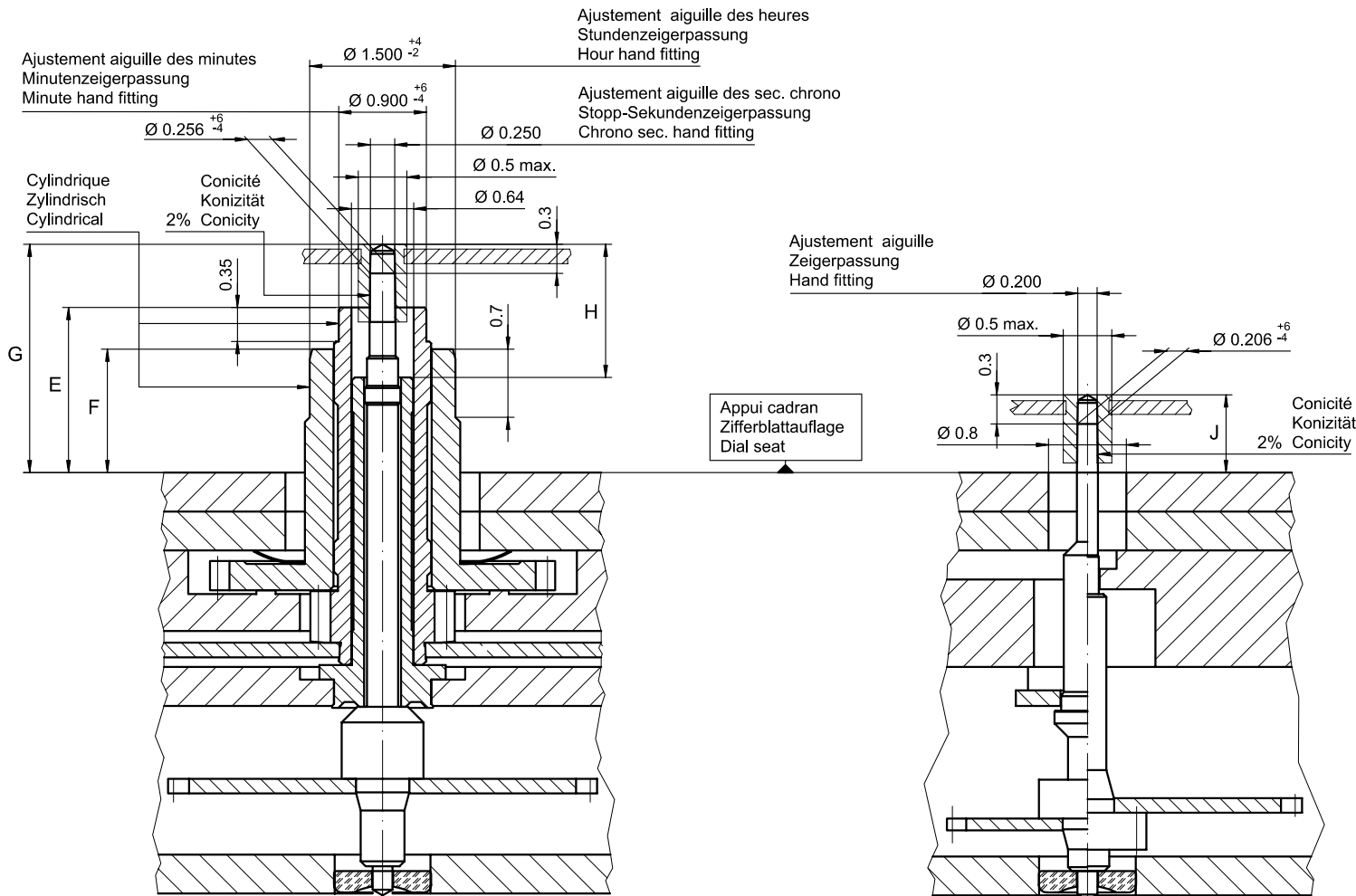


2. Check of active counter



3. Change to the next counter





Heures / minutes / secondes chrono
 Stunden / Minuten / Stopp-Sekunden
 Hours / minutes / chrono second

Compteur 1 aiguille / 1 Zeiger Zähler / 1 Hand counter
 Petite seconde / Kleine Sekunde / Small second

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 Zähltrieb Counter pinion	1 aig. 1 Zeiger 1 Hand
No	G	E	F	H	J	J
1	2.35	1.70	1.27	1.37	0.80	0.80
2	2.85	2.20	1.77	1.87	1.30	1.30

Aiguillages Zeigerwerkhöhe Hand fitting height						
Peinture comprise / inkl. Farbe / Paint included						
Epaisseur maximum du cadran Maximale Zifferblattstärke 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	1.85	1.30	0.85	0.40	0.40	0.15
2	2.35	1.80	1.35	0.90	0.90	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 (1 aig.) Zähler Zeiger (1 Zeiger) Counter hand (1 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	10	10	Masse / Masse / Weight *
µNm max.	0.06	0.80	0.80	0.07	0.02	Balourd / Unwucht / Unbalance *
gmm ² max.	1.0	-	-	0.4	1.0	Inertie / Massenträgheit / Inertia *
N max.	30	40	40	30	30	Force de chassage / Aufpresskraft / Force

Sous réserve de toutes modifications / Änderungen vorbehalten / All modifications reserved

Aiguillages Zeigerwerkhöhen Hand fitting heights	Issued	30 Sep 2002	mg
	Modified	02.08.2010 ÅA 2120	dh
	Released	Yes	
	Tolerance	µm	
	Scale	20 : 1 (A3H)	
RONDA	5040.B, 5040.D		12½"
	Sous réserve de modifications / Änderungen vorbehalten / Modifications reserved		
		No. 3316.075	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