

# RONDA slimtech 1000

Extra small and slim movements  
for exclusive styles

*Caliber 1003 – 10½'''*



## Product Specifications

Analog quartz movement	
Line	slimtech
Caliber	1003
Size	10½'''
Version	Swiss Made
	8 Jewels / gold plated
Standard battery life	25 months
High 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%
- Complete interchangeability between 1002-1009, 1012-1019

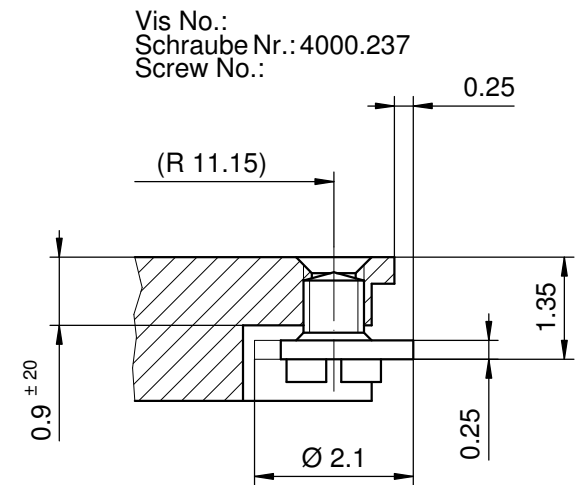
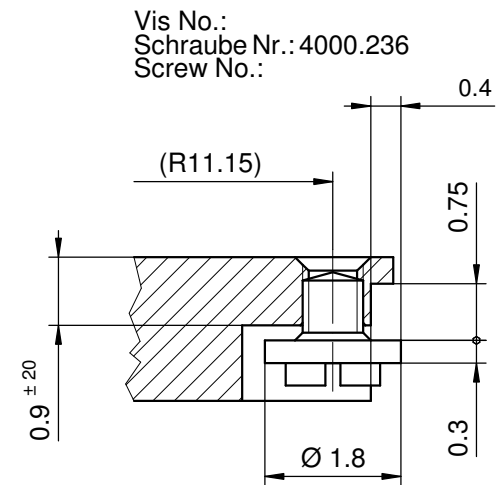
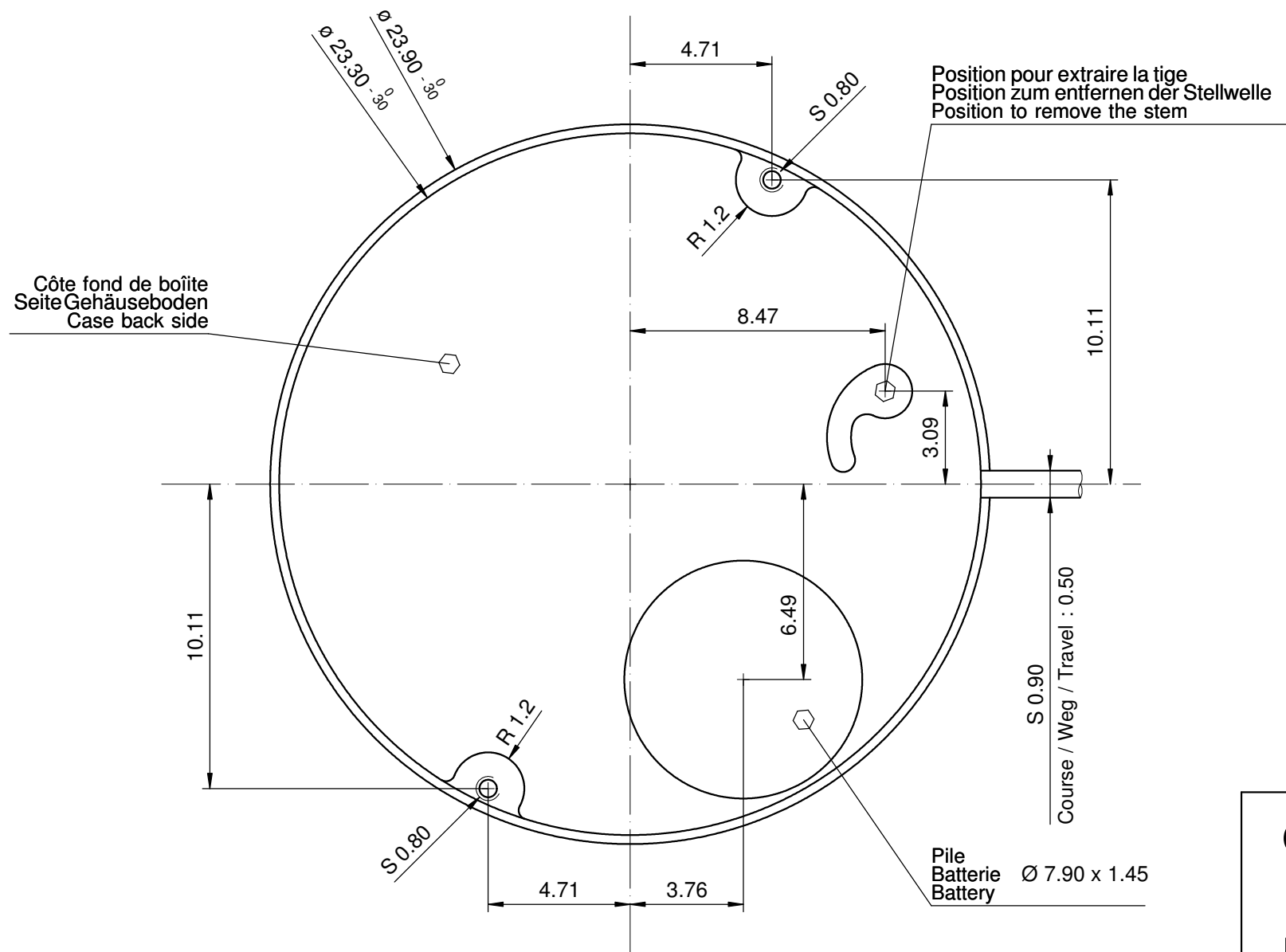
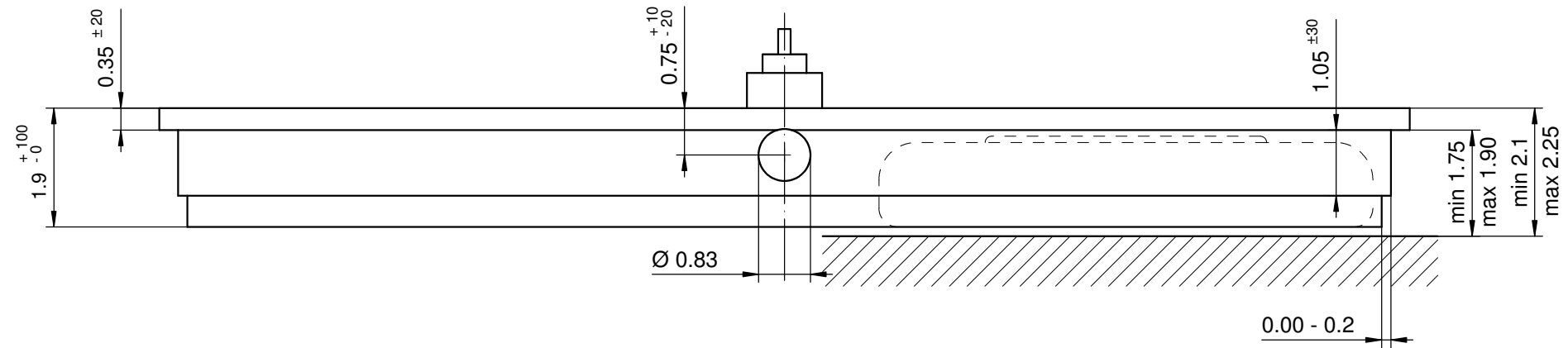
**Functions**

– 3 hands

**Technical Specifications**

Diameter Total	23.90 mm
Case fitting	23.30 mm
Movement height	1.90 mm
Height over standard battery	1.90 mm
Height over high battery	2.15 mm
Movement rest	0.35 mm
Height over stem	0.75 mm
Length of stem travel	1.00 mm
Stem thread	0.90 mm
Standard battery	341
High battery	315
Standard battery life	25 months
High battery life	40 months
Battery voltage	1.5 V
Current consumption – typical	0.74 µA
Current consumption – maximum	1.1 µA
Useful torque second – typical	4 µNm
Useful torque minute – typical	200 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

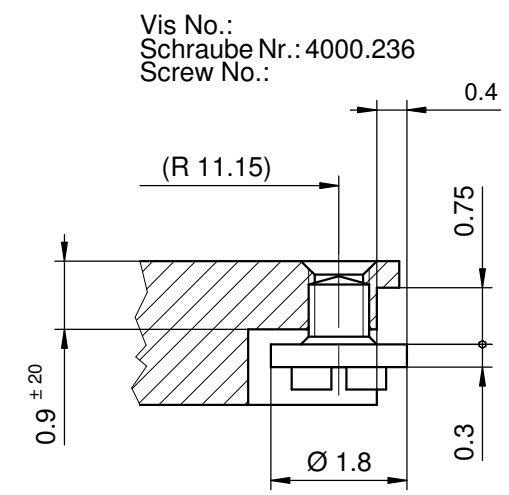
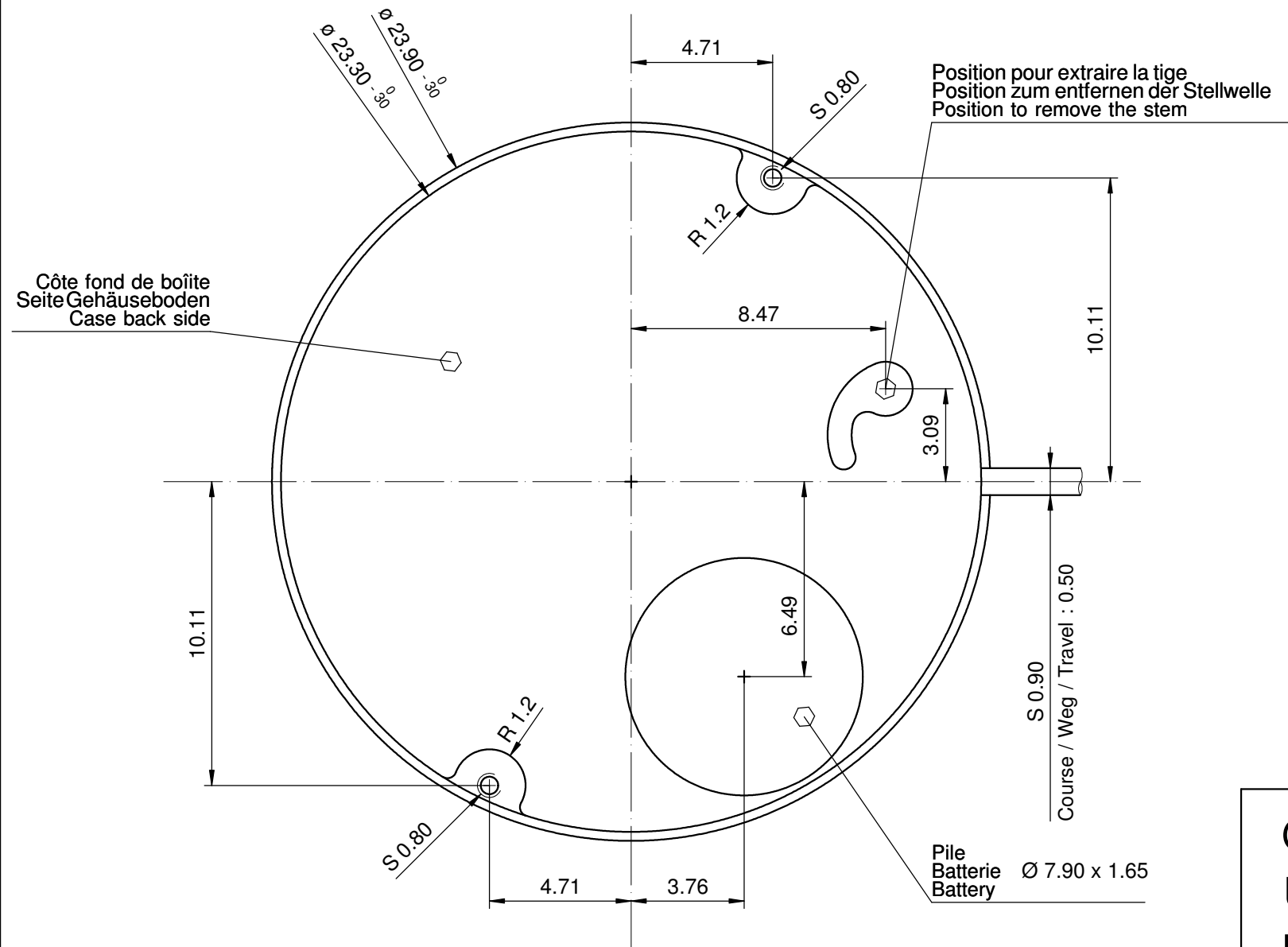
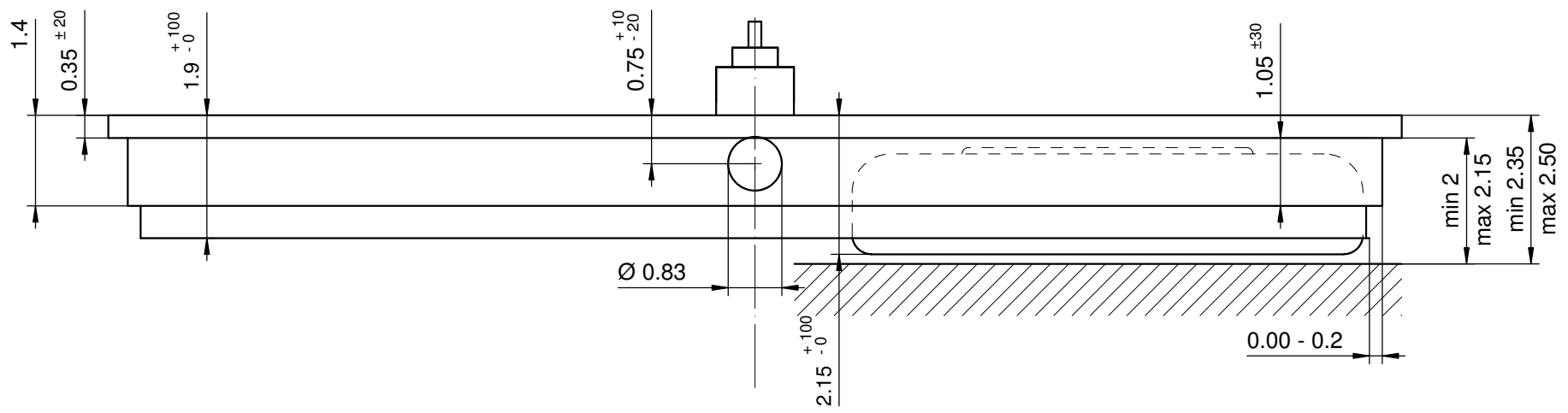




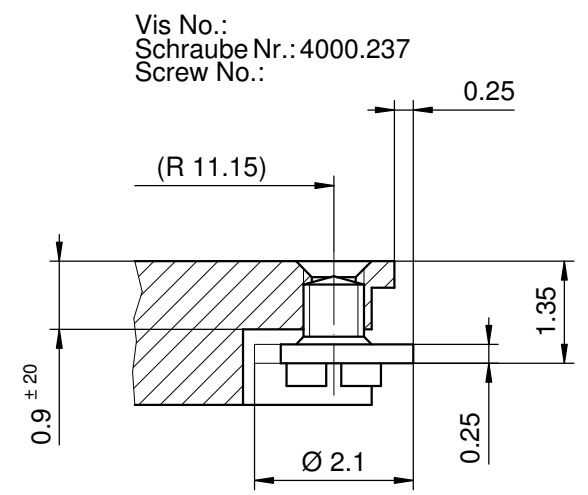
Sécurité entre aiguille minute et verre  
 Sicherheit zwischen Minutenzeiger und Glas  
 Security between minute hand and glass

: min 0.30 mm  
 : min 0.30 mm  
 : min 0.30 mm

<b>Cage</b> <b>Uhrwerkgestell 10½"</b> <b>Frame</b>		Issued	20 Mai 2008	dh
		Modified	22 Mai 2013 ÄA 13271	dh
		Released	YES	
		Tolerance	+/- 20 µm	
		Scale	10 : 1 (5 : 1) (A3H)	
		Sous réserve de modifications Aenderungenvorbehalten Modifications reserved		
<b>RONDA</b>	<b>1003</b>	No.	5000.368	02



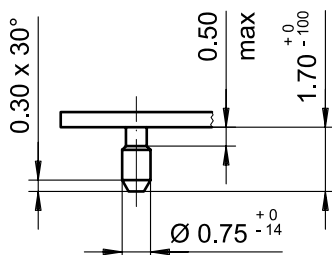
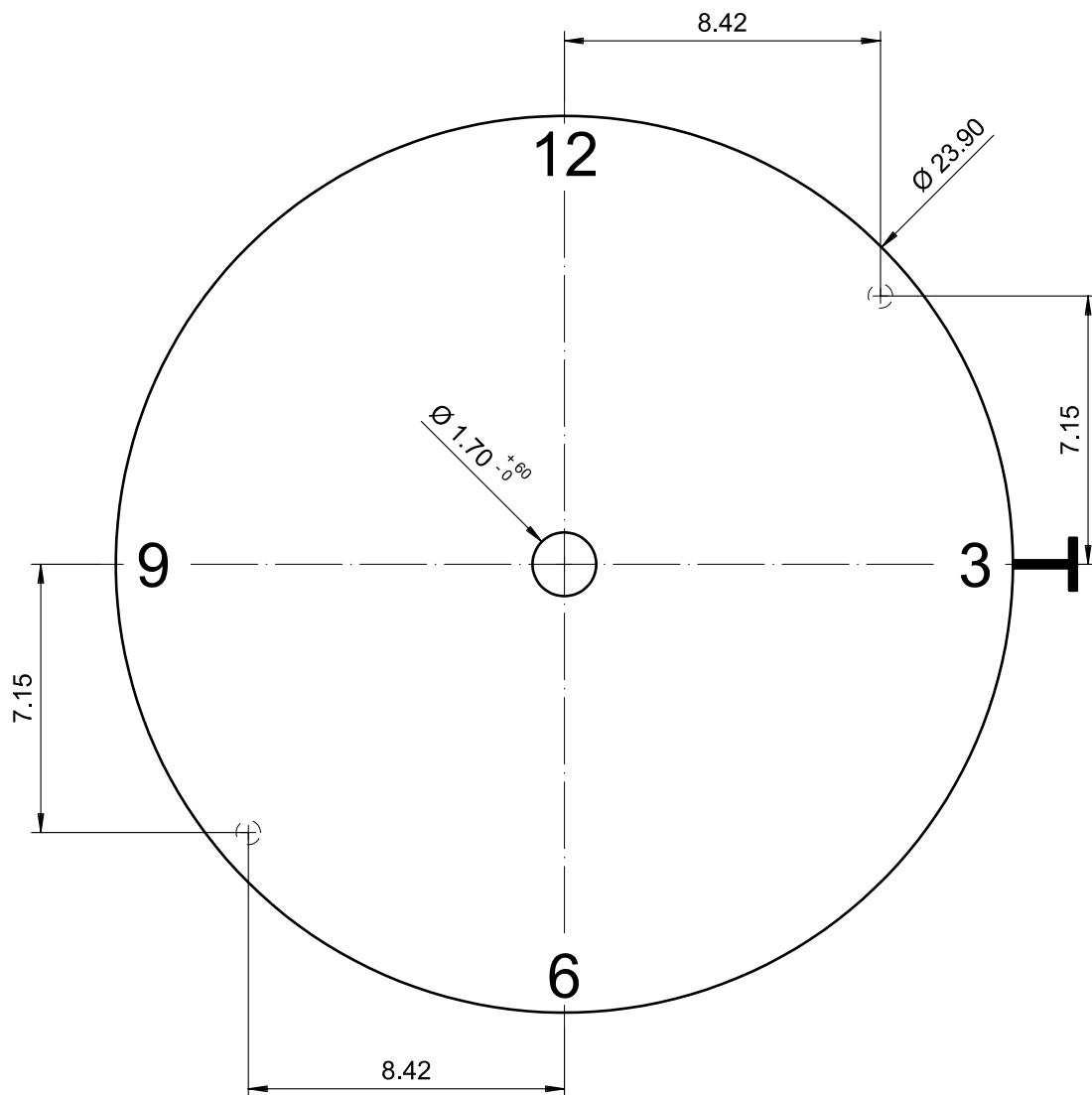
Vis No.:  
Schraube Nr.: 4000.236  
Screw No.:



Vis No.:  
Schraube Nr.: 4000.237  
Screw No.:

Sécurité entre aiguille seconde et verre : min 0.30 mm  
Sicherheit zwischen Sekundenzeiger und Glas : min 0.30 mm  
Security between second hand and glass : min 0.30 mm

<b>Cage</b> <b>Uhrwerkgestell 10½"</b> <b>Frame</b>		Issued	17 Mrz 2001	cm	
		Modified	22 Mai 2013 ÄA 13271	dh	
		Released	YES		
		Tolerance	+/- 20 µm		
		Scale	10 : 1 (5 : 1) (A3H)		
		Sous réserve de modifications Aenderungenvorbehalten Modifications reserved			
<b>RONDA</b>	<b>1003</b>	Pile Batterie / Battery	Ø7.90 x 1.65	No. 5000.309	08



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

Tige
Stellw.
Stem
<b>3H</b>

Cadran  
 Zifferblatt  
 Dial

10 1/2'''

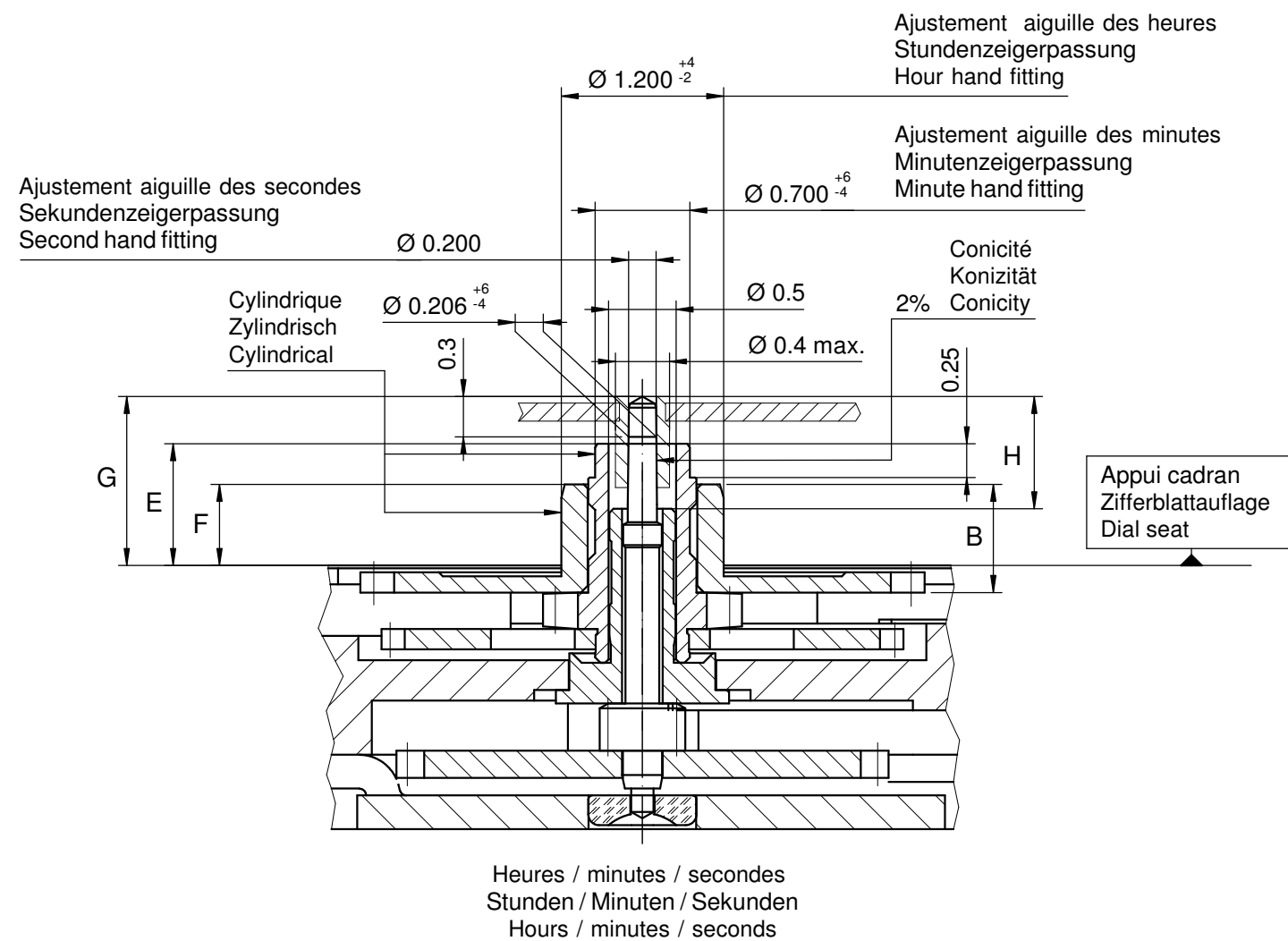
Issued	13 Dez 2006	cw
Modified	15.Dez.2006 ÄA ----	cm
Released	YES	
Tolerance	+/- 20 µm	
Scale	5 : 1 (A4V)	

RONDA

1002, 1003

Sous réserve de modifications  
 Aenderungen vorbehalten  
 Modifications reserved

No. 5010.520 01



Aiguillage no Zeigerwerkhöhe Nr. Hand fitting height No	Dépassement Höhe über Zifferblattauflage Height over dial seat			Longueur Länge Length		Epaisseur max. (peinture comprise) Max. thickness (inkl. Farbe) Max. thickness (paint included)			
	Pignon des secondes Sekundentrieb Second pinion	Chaussée Minutenrohr Cannon-pinion	Roue des heures Stundenrad Hour wheel	H	B	Cadran Zifferblatt Dial			Aiguilles Zeiger Hands
						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	
G	F	F	H	B					
0	1.25	0.90	0.60	0.83	0.80	0.75	0.50	0.30	0.15
1	1.55	1.10	0.80	0.85	1.00	1.05	0.70	0.40	0.15
2	1.80	1.35	1.05	0.85	1.25	1.30	0.95	0.60	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.	0.04	0.60	0.60	Balourd / Unwucht / Unbalance *
gmm <sup>2</sup> max.	0.2	-	-	Inertie / Massenträgheit / Inertia *
N max.	30	40	40	Force de chassage / Aufpresskraft / Force

Sous réserve de toutes modifications

Aenderungen vorbehalten

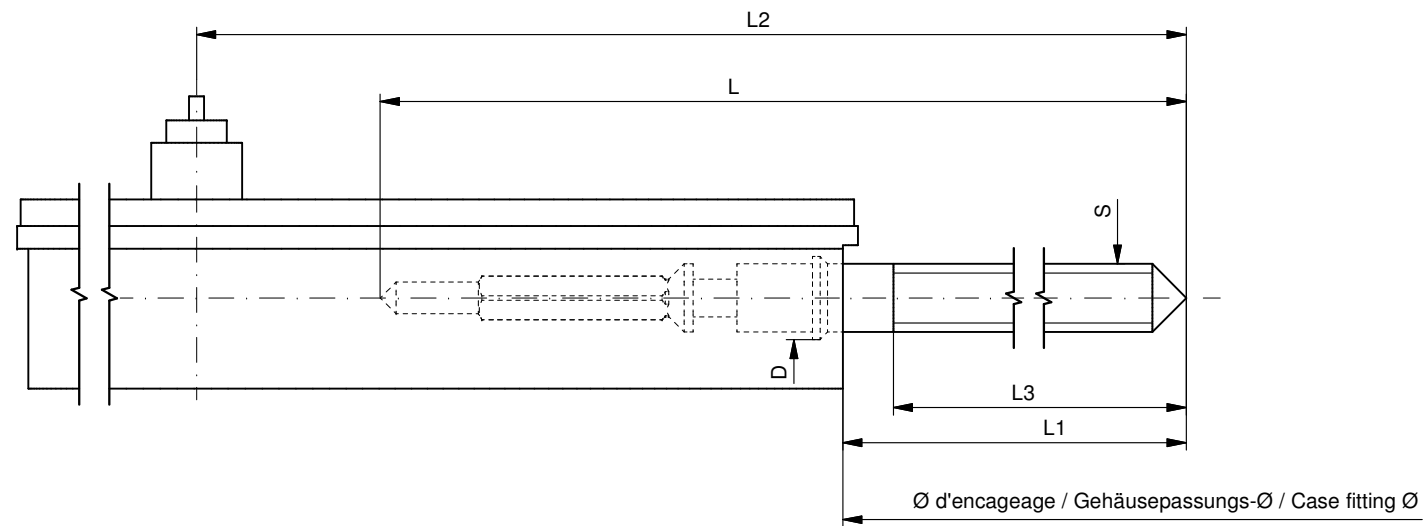
All modifications reserved

<b>Aiguillages Zeigerwerkhöhen Hand fitting heights</b>	<b>10½", 11½"</b>		Issued	14 Mär 2001	mK
			Modified	18 Feb 2011 ÅA 10340	ps
			Released	Yes	
			Tolerance	µm	
			Scale	20 : 1 (A3H)	
<b>RONDA</b>	<b>1003, 1005, 1013, 1015</b>		Sous réserve de modifications Aenderungen vorbehalten Modifications reserved		
			No.	3316.069	07

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

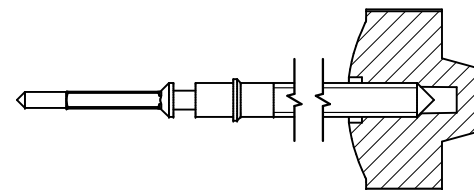
\* Bei abweichenden Werten, bitte technischen Kundendienst anfragen

\* 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)

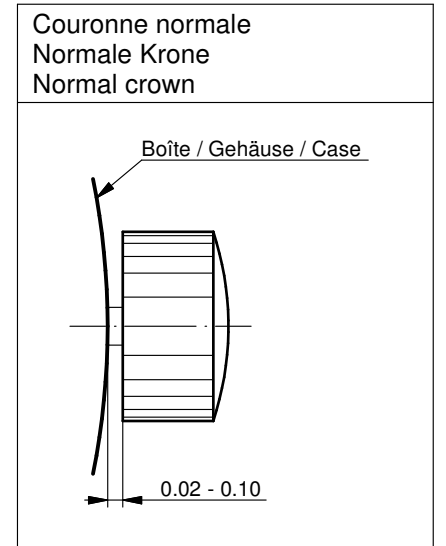
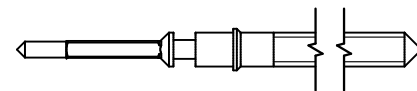
No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.215.CO	20.00	11.28	22.93	11.75	0.90	0.90



Couleur de la couronne Kronenfarbe Crown color	orange clair hellorange light orange
Code	UN 2338

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

No. d'article Artikelnummer Part number	L	L1	L2	L3	S	D
3000.215	20.00	11.28	22.93	11.75	0.90	0.90

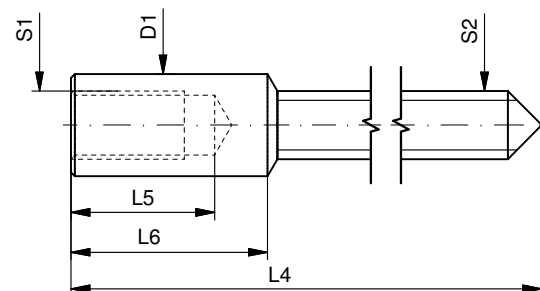


Couronne vissée  
 Geschraubte Krone  
 Screwed crown

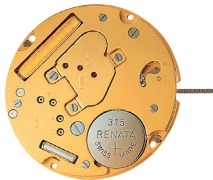
Force ⇐ min. Kraft ⇐ min. Force ⇐ min.	10 N
Force ⇐ max. Kraft ⇐ max. Force ⇐ max.	15 N

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 Stellwelle Stem	(dimensions / forces) (Dimensionen / Kräfte) (dimensions / forces)		Issued	10 Feb 2015	mk5225
	RONDA	1002, 1003, 1004	Modified	17 Mär 2017 ÄA 34582	mg5224
			Released	YES	
			Tolerance	---	
			Scale	10:1 (A3)	
			Sous réserve de modifications Änderungen vorbehalten Modifications reserved		
No.	5030.046		01		



10 1/2<sup>mm</sup>



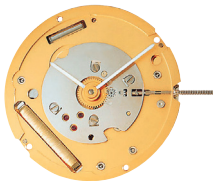
1002



1003



1004

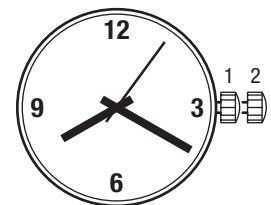


### Funktionen

### Fonctions

### Functions

Kaliber	Stellwellenpos.	Funktionen
Calibre	Pos. de tige	Fonctions
Caliber	Stem position	Functions
1002	1	Normale Position / Position normale / Running position Zeiger stellen, mit Unterbruch der Motorimpulse
	2	Mise à l'heure, avec interruption des impulsions moteur Hand setting, with interruption of the motor pulses
1003, 1004	1	Normale Position / Position normale / Running position Zeiger stellen, Sekunden-Stopp mit Unterbruch der Motorimpulse
	2	Mise à l'heure, stop-seconde avec interruption des impulsions moteur Hand setting, stop-second with interruption of the motor pulses



### Batterie

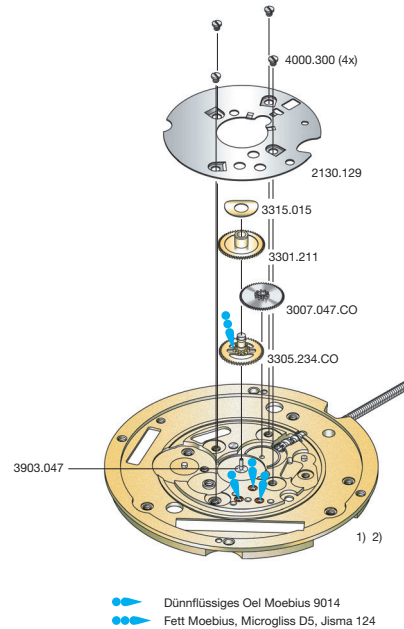
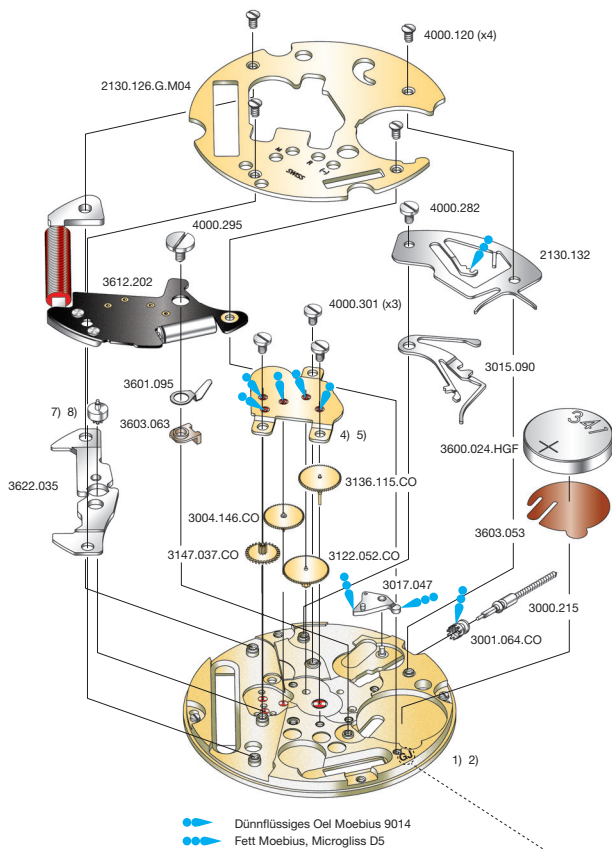
### Pile

### Battery

Kaliber	Batterie	Spannung	Artikelnummer RONDA
Calibre	Pile	Voltage	Número d'article RONDA
Caliber	Battery	Tension	Part number RONDA
1002-1004	341/SR714SW	1.55 V	3600.024.HGF



10<sup>1/2</sup>''' 1002, 1003



Cal. 1003 Werkseite / Côté mouvement / Movement side			
Plan no.	Bestandteile	Fournitures	Spare Parts
1)	Werkplatte	Platine	Main plate
4)	Räderwerkbrücke	Pont rouage	Train w. bridge
2130.126.G.M04	Modul-Abdeckp.	Couvre module	Module cover pl.
2130.132	Deckplatte	Couvre mec.	Setting lever cov.
3000.215	Stellwelle	Tige	Stem
3001.064.CO	Kupplungstrieb	Pignon coulant	Sliding pinion
3004.146.CO	Sekundenzw.rad	Renvoi seconde	Second driv. wh.
3015.090	Wippe	Bascule	Yoke
3017.047	Winkelhebel	Tirette	Setting lever
3122.052.CO	Kleinbodenrad	Roue moyenne	Third wheel
3136.115.CO	Sekundenrad	Roue secondes	Second-wheel
3147.037.CO	Zwischenrad	Roue interméd.	Intermed. wheel
3600.024.HGF	Batterie	Pile	Battery
3601.095	Batterie-Kontakt	Bride contact	Battery contact
3603.053	Batterie-Isolation	Isolateur pile	Battery insulation
3603.063	Kontakt Isolation	Isolateur bride	Batt. contact ins.
3612.202	Modul m. Spule	Module av. bobine	Module w. coil
3622.035	Stator	Stator	Stator
7)	Rotor	Rotor	Rotor
4000.120	Schraube	Vis	Screw
4000.282	Schraube	Vis	Screw
4000.295	Schraube	Vis	Screw
4000.301	Schraube	Vis	Screw

Code: Beispiel GJ / exemple GJ / exemple GJ

	2. Buchstabe: <b>K-V</b> Second letter: <b>K-V</b> 2 <sup>ième</sup> chiffre: <b>K-V</b>	2. Buchstabe: ab <b>W</b> Second letter: from <b>W</b> 2 <sup>ième</sup> chiffre: à partir de <b>W</b>	Cal. Cal. Cal.
1)	2000.685.G	2000.689.G	1003
2)	2000.682.G	2000.689.G	1002
4)	2020.183.G.M01	2020.183.G.M01	1003
5)	2020.182.G.M01	2020.182.G.M01	1002
7)	3715.115.RK	3715.115.RK	1003
8)	3715.114.RK	3715.114.RK	1002

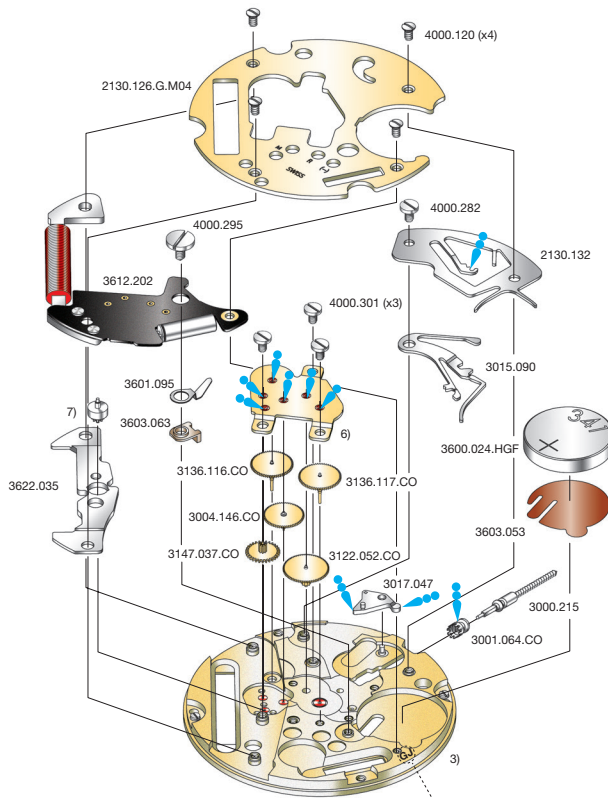
Abweichungen / Divergences / Deviations

Cal. 1002 Werkseite / Côté mouvement / Movement side			
Plan No.	Bestandteile	Fournitures	Spare Parts
2)	Werkplatte	Platine	Main plate
5)	Räderwerkbrücke	Pont rouage	Train w. bridge
2130.126.G.M01	Modul-Abdeckp.	Couvre module	Module cover pl.
3015.089	Wippe	Bascule	Yoke
3147.036.CO	Zwischenrad	Roue interméd.	Intermed. wheel
3612.205	Modul m. Spule	Module av. bobine	Module w. coil
8)	Rotor	Rotor	Rotor

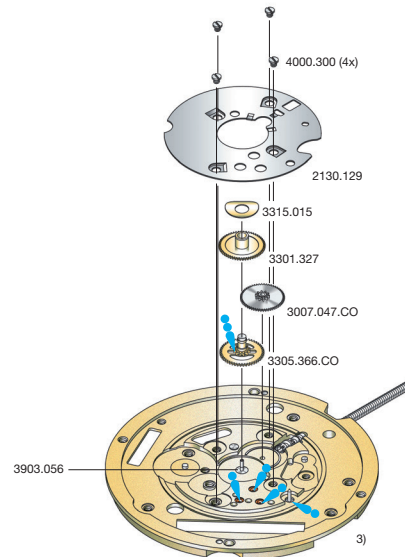
Abweichungen / Divergences / Deviations

Cal. 1002 Zifferblattseite / Côté cadran / Dial side			
Plan No.	Bestandteile	Fournitures	Spare Parts
2)	Werkplatte	Platine	Main plate
3301.327	Stundenrad	Canon	Hour wheel
3305.366.CO	Minutenrohr	Chaussée	Cannon pinion
3903.058	Zentrumlagerrohr	Tube chaussée	Center tube

10 1/2''' 1004



••••• Dünnflüssiges Öl Moebius 9014  
 ••••• Fett Moebius, Microgliss D5



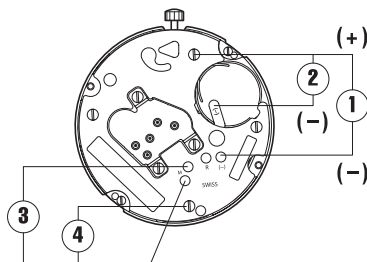
••••• Dünnflüssiges Öl Moebius 9014  
 ••••• Fett Moebius, Microgliss D5, Jisma 124

Code: Beispiel GJ / exemple GJ / exemple GJ

Cal. 1004	Werkseite / Côté mouvement / Movement side		
Plan no.	Bestandteile	Fournitures	Spare Parts
3)	Werkplatte	Platine	Main plate
6)	Räderwerkbrücke	Pont rouage	Train w. bridge
2130.126.G.M04	Modul-Abdeckp.	Couvre module	Module cover pl.
2130.132	Deckplatte	Couvre mec.	Setting lever cov.
3000.215	Stellwelle	Tige	Stem
3001.064.CO	Kupplungstrieb	Pignon coulant	Sliding pinion
3004.146.CO	Sekundenzw.rad	Renvoi seconde	Second driv. wh.
3015.090	Wippe	Bascule	Yoke
3017.047	Winkelhebel	Tirette	Setting lever
3122.052.CO	Kleinbodenrad	Roue moyenne	Third wheel
3136.116.CO	Kl. Sek. Radwelle	Roue axe pet. sec.	Sm. sec. w. pivot
3136.117.CO	Sek.-rad kurz	Roue sec. courte	Sec. wheel short
3147.037.CO	Zwischenrad	Roue interméd.	Intermed. wheel
3600.024.HGF	Batterie	Pile	Battery
3601.095	Batterie-Kontakt	Bride contact	Battery contact
3603.053	Batterie-Isolation	Isolateur pile	Battery insulation
3603.063	Kontakt Isolation	Isolateur bride	Batt. contact ins.
3612.202	Modul m. Spule	Module av. bobine	Module w. coil
3622.035	Stator	Stator	Stator
7)	Rotor	Rotor	Rotor
4000.120	Schraube	Vis	Screw
4000.282	Schraube	Vis	Screw
4000.295	Schraube	Vis	Screw
4000.301	Schraube	Vis	Screw

	2. Buchstabe: A-J Second letter: A-J 2 <sup>ème</sup> chiffre: A-J	2. Buchstabe: ab K Second letter: from K 2 <sup>ème</sup> chiffre: à partir de K	Cal. Cal. Cal.
3)	2000.609.RK	2000.689.G	1004
6)	2020.142.G.M01	2020.184.G.M01	1004
7)	3715.070.RK	3715.115.RK	1004

Cal. 1004	Zifferblattseite / Côté cadran / Dial side		
Plan no.	Bestandteile	Fournitures	Spare Parts
3)	Werkplatte	Platine	Main plate
2130.129	Zeigerw.haltepl.	Plaque maintien	Maintaining plate
3007.047.CO	Wechselrad	Minuterie	Minute wheel
3301.327	Stundenrad	Canon	Hour wheel
3305.366.CO	Minutenrohr	Chaussée	Cannon pinion
3315.015	Spreifeder	Clinquant	Washer
3903.056	Zentrallagerrohr	Tube chaussée	Center tube
4000.300	Schraube	Vis	Screw



Kaliber Calibre Caliber	Pos. Pos. Pos.	Einheit Unité Unit	Messwerte Valeurs mesurées Measured values	Kontrolle Contrôle Check	Bemerkungen Remarques Remarks
1002-1004	1	V	1,55	Batterie-Spannung Tension de la pile Battery voltage	Mit Batterie Avec pile With battery
1002	2	µA	0,40-0,60 ~ 2,40 *	Stromaufnahme (*bei Puls, Periode = 5 Sek.) Consommation de courant (*pend. impuls., p. = 5 sec.)	Ohne Batterie, mit externer Speisung Sans pile, avec alimentation externe
1003, 1004	2	µA	0,50-0,95	Current consumption (*by pulse, period = 5 sec.)	Without battery, with external supply
1002-1004	2	V	< 1,30	Funktionskontrolle bei Minimalspannung Contrôle de fonctionnement à tension minimale Check with lowest possible voltage	Ohne Batterie, mit externer Speisung Sans pile, avec alimentation externe Without battery, with external power supply
1002	3	KΩ	2,10-2,30	Spulenwiderstand	Ohne Batterie
1003, 1004		KΩ	2,50-2,70	Résistance de la bobine Resistance of the coil	Sans pile Without battery
1002-1004	4	KΩ	∞	Spulenisolation Isolation de la bobine Coil insulation	Ohne Batterie Sans pile Without battery
1002-1004		Sek./Monat sec./mois sec./month	- 10/+ 20	Induktivsonde 60 Sek. Senseur inductif 60 sec. Inductive sensor 60 sec.	Mit Batterie Avec pile With battery

Einschalen / Werkzeuge

Nr. H 100x.1A



Emboîtage / outils

Nr. H 100x.1T

Casing / tools



	<b>SWISS MADE</b>
2 Schrauben 2 Vis 2 Screws	

Zeiger setzen

Maximale Aufpresskraft:

- Stunden und Minutenzeiger: max. 40N
- Sekundenzeiger: max. 30N

Beim Zeiger setzen muss das Werk abgestützt werden.

Poser les aiguilles

Force de chassage maximale:

- Aiguilles des heure et des minutes: max. 40N
- Aiguille des secondes: max. 30N

Lors de la pose d'aiguilles, le mouvement doit être soutenu.

Hand setting

Maximal force:

- Hour and minute hands: max. 40N
- Second hand: max. 30N

The movement needs to be supported for hand setting.

Stellwelle entfernen

Beim Entfernen der Stellwelle muss sich die Stellwelle in Position 1 (gedrückt) befinden, bevor auf den Winkelhebel gedrückt wird.

Enlever la tige

En enlevant la tige, la tige doit se trouver en position 1 (poussée), avant de pousser sur la tirette.

Stem removal

For removal of the stem, the stem must be pushed into position 1 (pressed in) prior to apply pressure to the setting lever.