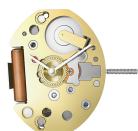


## Caliber 751 – 5½"



### Product Specifications

Analog quartz movement

Line normtech

Caliber 751

Size 5½"

Version Swiss Made 4 Jewels / gold plated

Version Swiss Parts 1 Jewels / nickel plated

Standard battery life 7 Years

Standard hand fitting height 1

### Features

- Very long battery life
- Repairable metal watch movement
- Power saving mechanism with pulled out stem:  
Reduction of consumption approximately 70%
- Many high hand heights available

### Functions

- 2 hands

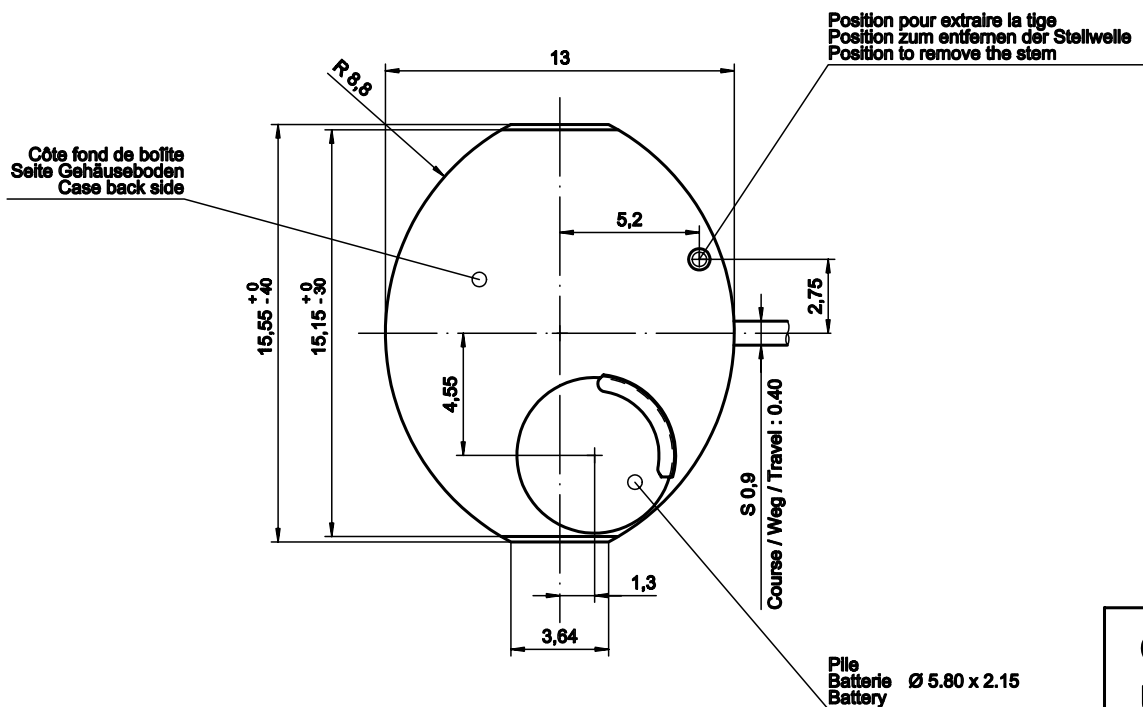
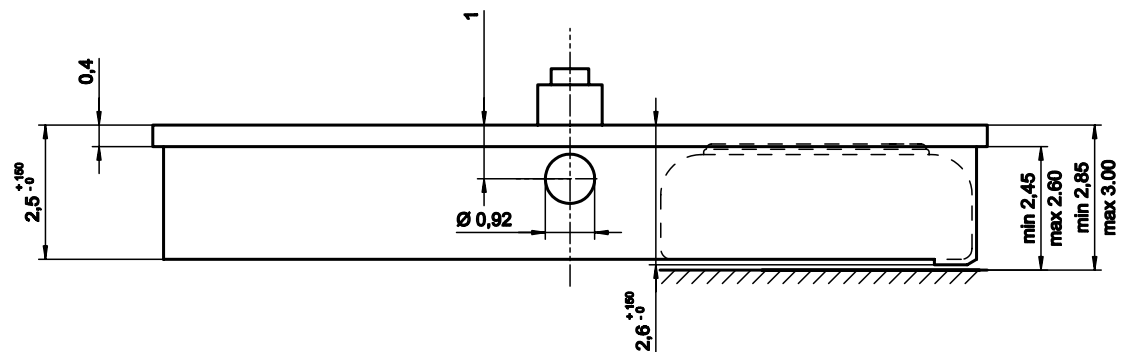
## Caliber 751 – 5½"

### Technical Specifications

|                                |                    |
|--------------------------------|--------------------|
| Diameter Total                 | 13.00 mm           |
| Case fitting                   | 13.00 mm           |
| Movement height                | 2.50 mm            |
| Height over standard battery   | 2.65 mm            |
| Movement rest                  | 0.40 mm            |
| Height over stem               | 1.00 mm            |
| Length of stem travel          | 0.40 mm            |
| Stem thread                    | 0.90 mm            |
| Useful torque minute – typical | 30 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         |

### Battery Specifications

|                               |         |
|-------------------------------|---------|
| Standard battery              | No. 379 |
| Standard battery life         | 7 Years |
| Battery voltage               | 1.5 V   |
| Current consumption – typical | 0.24 µA |
| Current consumption – maximum | 0.3 µA  |



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

Le cadran doit être maintenu en hauteur par la boîte.  
Das Zifferblatt muss in der Höhe vom Gehäuse festgehalten werden.  
The dial must be held in the height by the case.

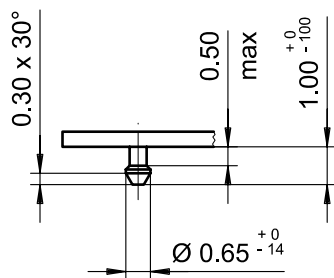
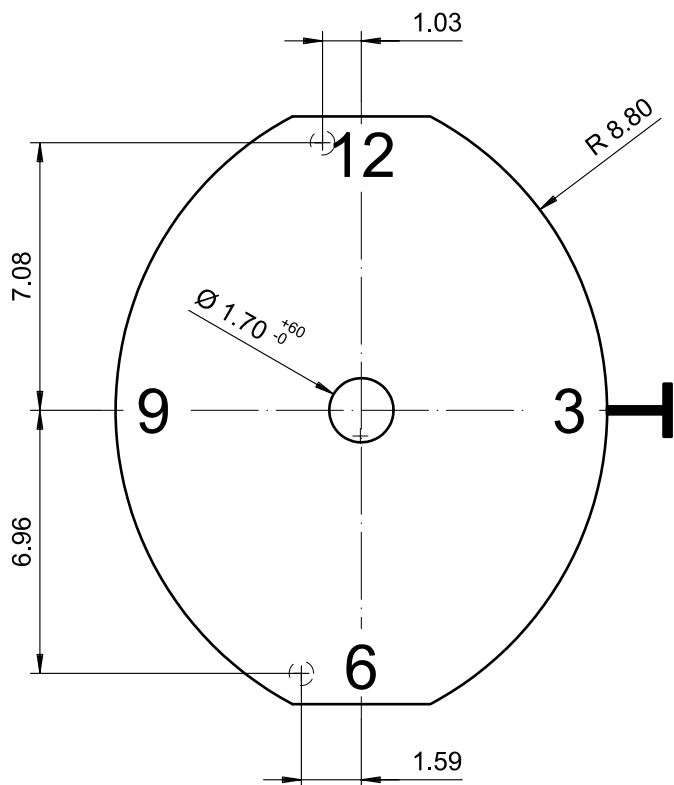
**Cage**  
**Uhrwerkgestell**  
**Frame**

**5½"**

**RONDA**

**751, 751E, 753**

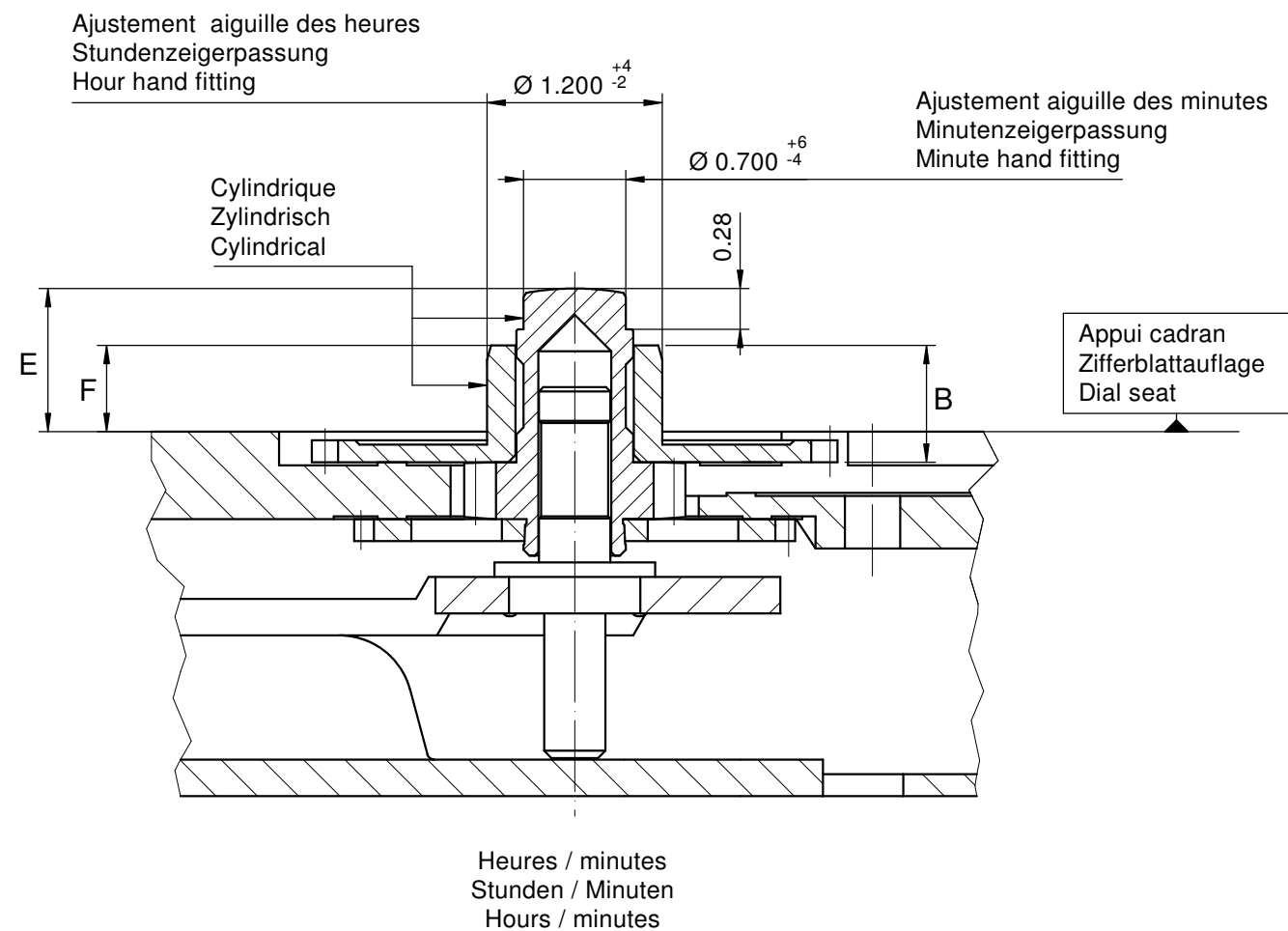
|  |                      |    |
|--|----------------------|----|
| Issued   | 04 Okt 1985          | nt |
| Modified   | 11.Dez. 2006         | cm |
| Released   | AA —                 |    |
| Tolerance  | +/- 20 µm            |    |
| Scale  | 10 : 1 (5 : 1) (A3H) |    |
| Sous réserve de modifications<br>Aenderungen vorbehalten<br>Modifications reserved |                      |    |
| No.  | 5000.234             | 16 |



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

|         |
|---------|
| Tige    |
| Stellw. |
| Stem    |
| 3H      |

|                               |          |   |          |           |                        |    |
|-------------------------------|----------|---|----------|-----------|------------------------|----|
| Cadran<br>Zifferblatt<br>Dial |          | 5½"   |          | Issued    | 12 Sep 1985            | nt |
|                               |          |   |          | Modified  | 15.Dez.2006<br>ÄÄ ---- | cm |
|                               |          |   |          | Released  | YES                    |    |
|                               |          |   |          | Tolerance | +/- 20 µm              |    |
|                               |          |   |          | Scale     | 5 : 1 (A4V)            |    |
| RONDA                         | 751, 753 | Sous réserve de modifications<br>Änderungen vorbehalten<br>Modifications reserved |          |           |                        |    |
|                               |          | No.   | 5010.366 | 04        |                        |    |



| Aiguillage no<br>Zeigerwerkhöhe Nr.<br>Hand fitting height No | Dépassement<br>Höhe über Zifferblattaufgabe<br>Height over dial seat |   |  | Longueur<br>Länge<br>Length                 |  | Epaisseur max. (peinture comprise)<br>Max. Dicke (inkl. Farbe)<br>Max. thickness (paint included) |  |  |                              |
|---|--|---|--|---|--|---|--|--|------------------------------|
|   | Chaussée<br>Minutenrohr<br>Cannon-pinion                             | Roue des heures<br>Stundenrad<br>Hour wheel |  | Roue des heures<br>Stundenrad<br>Hour wheel |  | Cadran<br>Zifferblatt<br>Dial   |  |  | Aiguilles<br>Zeiger<br>Hands |
|   |  |   |  |   |  | Sous l'aiguille des minutes<br>Unter Minutenzeiger<br>Under minute hand                           | Sous l'aiguille des heures<br>Unter Stundenzeiger<br>Under hour hand |  |                              |
|   | E  | F   |  | B   |  |   |  |  |                              |
| 0   | 0.95   | 0.60  |  | 0.80  |  | 0.50  | 0.30   |  | 0.15                         |
| 1   | 1.10   | 0.75  |  | 0.95  |  | 0.65  | 0.40   |  | 0.15                         |
| 2   | 1.30   | 0.95  |  | 1.15  |  | 0.85  | 0.60   |  | 0.15                         |
| 3   | 1.80   | 1.35  |  | 1.57  |  | 1.35  | 1.00   |  | 0.15                         |
| 4   | 2.70   | 2.35  |  | 2.55  |  | 2.25  | 2.00   |  | 0.15                         |
| 5   | 3.30   | 2.95  |  | 3.15  |  | 2.85  | 2.60   |  | 0.15                         |

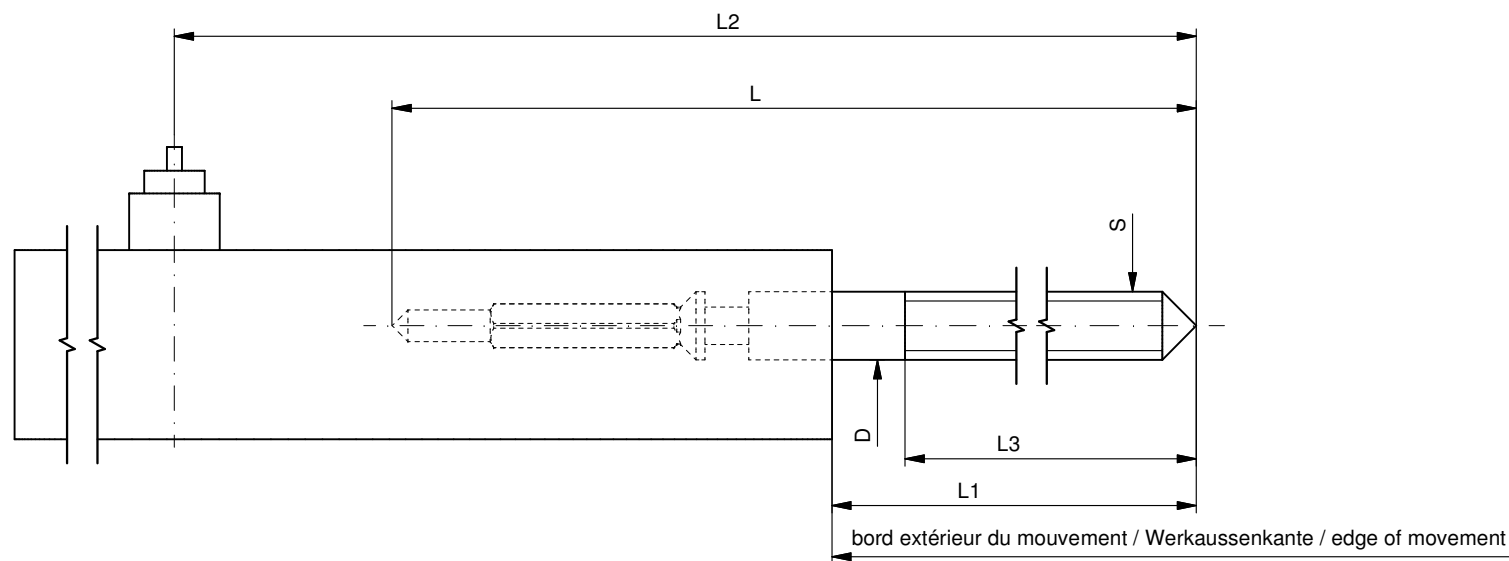
|                  |      | Aig. des minutes<br>Minutenzeiger<br>Minute hand | Aig. des heures<br>Stundenzeiger<br>Hour hand | Lors de la pose d'aiguilles, le mouvement doit être soutenu.<br>Beim Zeigersetzen muss das Werk abgestützt werden.<br>The movement needs to be supported for hand setting. |
|------------------|------|--|---|--|
| mg               | max. | 30   | 30  | Masse / Masse / Weight *   |
| µNm              | max. | 0.14   | 0.14  | Balourd / Unwucht / Unbalance *  |
| gmm <sup>2</sup> | max. | -  | -   | Inertie / Massenträgheit / Inertia *   |
| N                | max. | 40   | 40  | Force de chassage / Aufpresskraft / Force  |

## Aiguillages Zeigerwerkhöhen 5½", 6¾ x 8" Hand fitting heights

RONDA

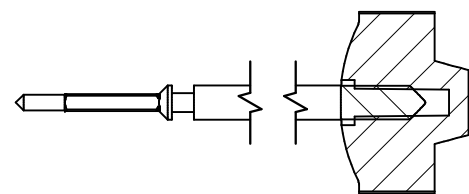
751, 756, 762, 762E

|   |                         |    |
|---|-------------------------|----|
| Issued  | 18 Feb 2001             | mk |
| Modified  | 06 Jan 2016<br>ÄA 13573 | dh |
| Released  | Yes                     |    |
| Tolerance   | µm                      |    |
| Scale   | 20 : 1 (A3H)            |    |
| Sous réserve de modifications<br>Änderungen vorbehalten<br>Modifications reserved |                         |    |
| No.   | 3316.002                | 20 |



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

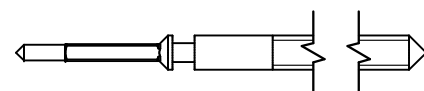
| No. d'article<br>Artikelnummer<br>Part number | L     | L1    | L2    | L3    | S    | D    |
|---|-------|-------|-------|-------|------|------|
| 3000.132.CO                                   | 17.00 | 12.72 | 19.22 | 12.70 | 0.90 | 0.90 |



|  |                                     |
|--|-------------------------------------|
| Couleur de la couronne<br>Kronenfarbe<br>Crown color | hellblau<br>bleu clair<br>pale blue |
| Code   | FR 9194                             |

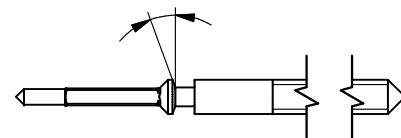
Tige (normale) / Stellwelle (normal) / Stem (normal)

| No. d'article<br>Artikelnummer<br>Part number | L     | L1    | L2    | L3    | S    | D    |
|---|-------|-------|-------|-------|------|------|
| 3000.132                                      | 17.00 | 12.72 | 19.22 | 12.70 | 0.90 | 0.90 |
| 3000.156                                      | 25.00 | 20.72 | 27.22 | 14.80 | 0.90 | 0.90 |
| 3000.139                                      | 32.00 | 27.72 | 34.22 | 18.80 | 0.90 | 0.90 |
| 3000.173                                      | 17.00 | 12.72 | 19.22 | 12.60 | 0.70 | 0.90 |



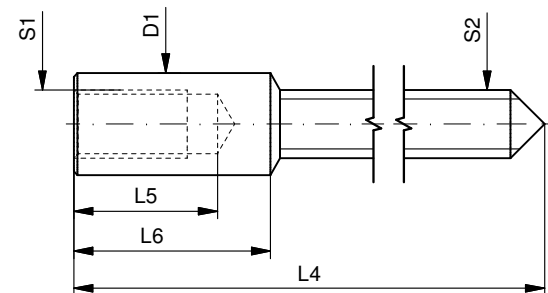
Tige (à arracher)  
Stellwelle (Ausreissversion)  
Stem (extractable version)

| No. d'article<br>Artikelnummer<br>Part number | L     | L1    | L2    | L3    | S    | D    |
|---|-------|-------|-------|-------|------|------|
| 3000.143                                      | 17.00 | 12.72 | 19.22 | 12.70 | 0.90 | 0.90 |

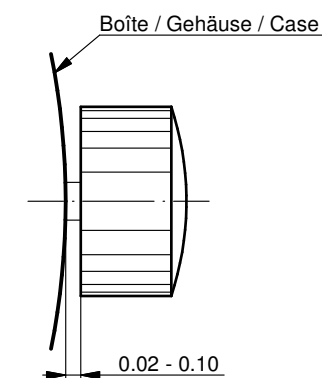


Rallonge de tige / Stellwelle Verlängerung / Stem extension

| No. d'article<br>Artikelnummer<br>Part number | L4    | L5<br>(min) | L6   | S1   | S2   | D1   |
|---|-------|-------------|------|------|------|------|
| 3000.040                                      | 12.00 | 1.90        | 2.60 | 0.90 | 0.90 | 1.35 |
| 3000.046                                      | 12.00 | 1.90        | 2.60 | 0.70 | 0.70 | 1.00 |



Couronne normale  
Normale Krone  
Normal crown



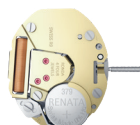
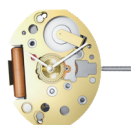
Couronne vissée  
Geschraubte Krone  
Screwed crown

|  |      |
|--|------|
| Force ⇄ min.<br>Kraft ⇄ min.<br>Force ⇄ min. | 10 N |
| Force ⇄ max.<br>Kraft ⇄ max.<br>Force ⇄ max. | 15 N |

Tige (dimensions / forces)  
Stellwelle (Dimensionen / Kräfte)  
Stem (dimensions / forces)

RONDA 751, 753

|   |                         |        |
|---|-------------------------|--------|
| Issued  | 30 Aug 2012             | ds5222 |
| Modified  | 17 Mär 2017<br>ÄA 34582 | mg5224 |
| Released  | YES                     |        |
| Tolerance   | ---                     |        |
| Scale   | 10:1 (A3)               |        |
| Sous réserve de modifications<br>Änderungen vorbehalten<br>Modifications reserved |                         |        |
| No.   | 5030.012                | 02     |



5 1/2'''



751/751E



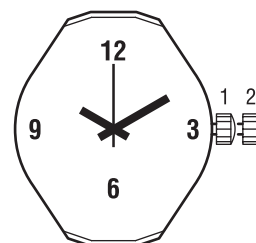
753

## Funktionen

## Fonctions

## Functions

| Kaliber<br>Calibre<br>Caliber | Stellwellenpos.<br>Pos. de tige<br>Stem position | Funktionen<br>Fonctions<br>Functions  |
|-------------------------------|--|---|
| 751/ 751E                     | 1  | Normale Position / Position normale / Running position  |
|                               | 2  | Zeiger stellen / Mise à l'heure / Hand setting  |
| 753                           | 1  | Normale Position / Position normale / Running position  |
|                               | 2  | Zeiger stellen, Sekunden-Stopp mit Unterbruch der Motorimpulse<br>Mise à l'heure, stop-seconde avec interruption des impulsions moteur<br>Hand setting, stop-second with interruption of motor pulses |



## Batterie

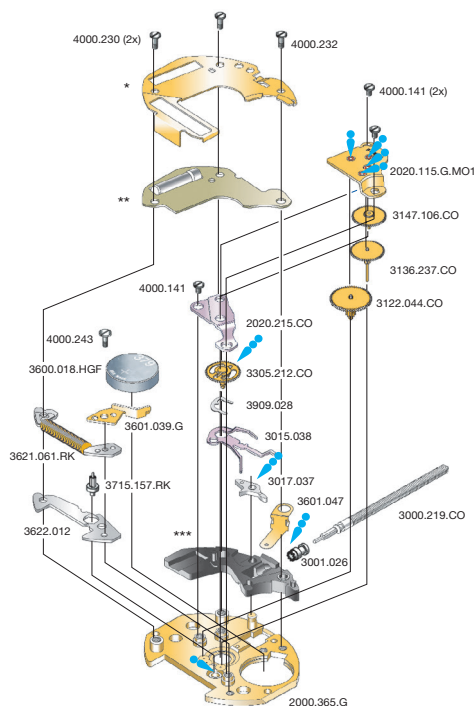
## Pile

## Battery

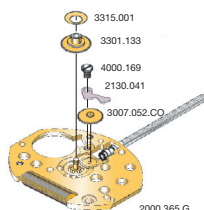
| Kaliber<br>Calibre<br>Caliber | Batterie<br>Pile<br>Battery | Spannung<br>Voltage<br>Tension | Artikelnummer RONDA<br>Numero d'article RONDA<br>Part number RONDA |
|-------------------------------|-----------------------------|--------------------------------|--|
| 751/751E/753                  | 379/SR521SW                 | 1.55 V                         | 3600.018.HGF   |

5 1/2'''

751, 751E, 753



● Dünflüssiges Öl, z.B. Moebius 9014  
● Fett, z.B. Moebius, Microglass D5, Jisma 124



| Cal. 753       | Werkseite / Côté mouvement / Movement side |                   |                    |
|----------------|--|-------------------|--------------------|
| Plan No.       | Bestandteile                               | Fournitures       | Spare Parts        |
| 2000.365.G     | Werkplatte                                 | Platine           | main plate         |
| 2020.115.G.M01 | Räderwerkbrücke                            | Pont rouage       | Train w. bridge    |
| 2020.215.CO    | Zentrumbrücke                              | Pont centre       | Centre bridge      |
| *              | Modul-Abdeckpl.                            | Couvre module     | Module cover pl.   |
| 3000.219.CO    | Stellwelle                                 | Tige              | Stem               |
| 3001.026       | Kupplungstrieb                             | Pignon coulant    | Sliding pinion     |
| 3015.038       | Kuppl.-triebhebel                          | Bascule           | Yoke               |
| 3017.037       | Winkelhebel                                | Tirette           | Setting lever      |
| 3122.044.CO    | Kleinbodenrad                              | Roue moyenne      | Third wheel        |
| 3136.237.CO    | Sekundenrad                                | Roue secondes     | Second wheel       |
| 3147.106.CO    | Zwischenrad                                | Roue interméd.    | Intermed. Wheel    |
| 3305.212.CO    | Minutenrohr                                | Chaussée          | Cannon pinion      |
| 3600.018.HGF   | Batterie                                   | Pile              | Battery            |
| 3601.039.G     | Batteriehalter                             | Bride de pile     | Battery clamp      |
| 3601.047       | Batteriekontakt                            | Bride contact     | Battery contact    |
| ***            | Kunststoffzw.teil                          | Potence plastique | Setting m. cover   |
| **             | Elektr.modul                               | Module electr.    | Electr. Module     |
| 3621.061.RK    | Spule                                      | Bobine            | Coil               |
| 3622.012       | Stator                                     | Stator            | Stator             |
| 3715.157.RK    | Rotor                                      | Rotor             | Rotor              |
| 3909.028       | K.-trieb.-feder                            | Clavette bascule  | Pillar spring clip |
| 4000.141       | Schraube                                   | Vis               | Screw              |
| 4000.230       | Schraube                                   | Vis               | Screw              |
| 4000.232       | Schraube                                   | Vis               | Screw              |
| 4000.243       | Schraube                                   | Vis               | Screw              |

Gültig ab / valable à partir du / valid from

Werkcode / code de mouvement / movement code

14 (07/2023)

| 13/(14)  | old   | (14)/15 | new   |
|--|---|---------|---|
| * Modul-Abdeckplatte/ Couvre module/ Module cover plate              |   |         |   |
|  | Cal. 751/751E:<br>2130.075.G.M01<br><br>Cal. 753:<br>2130.075.G.M04 |         | Cal. 751/751E:<br>2130.273.G.M01<br><br>Cal. 753:<br>2130.273.G.M04 |
| ** Elektronikmodul/ Module électronique/ Electronic module           |   |         |   |
|  | Cal. 751/751E:<br>3612.162.RK<br><br>Cal. 753:<br>3612.152.RK       |         | Cal. 751/751E:<br>3612.322.RK<br><br>Cal. 753:<br>3612.320.RK       |
| *** Kunststoff-Zwischenteil/ Potence plastique/ Setting module cover |   |         |   |
|  | 3603.030  |         | 3603.110  |

#### Bemerkung / Note / Notice:

Bei älteren Werken müssen das Elektronikmodul, das Kunststoffzwischenteil und die Modulabdeckplatte zusammen gewechselt werden.

Pour les mouvements plus anciennes, le module électronique, la potence plastique et le couvre module doivent être remplacés ensemble.

In older movements, the electronic module, the setting module cover and the module cover plate must be replaced together.

#### Abweichungen / Divergences / Deviations

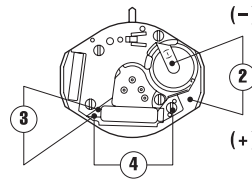
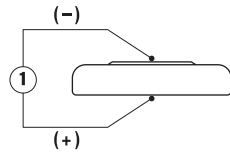
| Cal. 751       | Werkseite / Côté mouvement / Movement side |                |                  |
|----------------|--|----------------|------------------|
| Plan No.       | Bestandteile                               | Fournitures    | Spare Parts      |
| 2020.104.CO    | Zentrumbrücke                              | Pont centre    | Centre bridge    |
| 2020.116.G.M01 | Räderwerkbrücke                            | Pont rouage    | Train w. bridge  |
| *              | Modul-Abdeckpl.                            | Couvre module  | Module cover pl. |
| 3122.082.CO    | Kleinbodenrad                              | Roue moyenne   | Third wheel      |
| 3305.385.CO    | Minutenrohr                                | Chaussée       | Cannon pinion    |
| **             | Elektr.modul                               | Module electr. | Electr. Module   |
| 3622.018       | Stator                                     | Stator         | Stator           |
| 3715.100.RK    | Rotor                                      | Rotor          | Rotor            |

| Cal. 751E   | Werkseite / Côté mouvement / Movement side |             |               |
|-------------|--|-------------|---------------|
| Plan No.    | Bestandteile                               | Fournitures | Spare Parts   |
| 3305.198.CO | Minutenrohr                                | Chaussée    | Cannon pinion |

| Cal. 751, 753 | Zifferblattseite / Côté cadran / Dial side |                 |                   |
|---------------|--|-----------------|-------------------|
| Plan No.      | Bestandteile                               | Fournitures     | Spare Parts       |
| 2130.041      | Zeigerwerkplatte                           | Plaque maintien | Maintaining plate |
| 3007.052.CO   | Wechselrad                                 | Minuterie       | Minute wheel      |
| 3301.133      | Stundenrad                                 | Canon           | Hour wheel        |
| 3315.001      | Spreizfeder 2 1/2                          | Clinquant 2 1/2 | Washer 2 1/2      |
| 4000.169      | Schraube                                   | Vis             | Screw             |

| Cal. 751E | Zifferblattseite / Côté cadran / Dial side |             |             |
|-----------|--|-------------|-------------|
| Plan No.  | Bestandteile                               | Fournitures | Spare Parts |
| 3301.176  | Stundenrad                                 | Canon       | Hour wheel  |





| Kaliber<br>Calibre<br>Caliber | Pos.<br>Pos.<br>Pos. | Einheit<br>Unité<br>Unit              | Messwerte<br>Valeurs mesurées<br>Measured values | Kontrolle<br>Contrôle<br>Check  | Bemerkungen<br>Remarques<br>Remarks   |
|-------------------------------|----------------------|---------------------------------------|--|---|---|
| 751/751E<br>753               | 1                    | V                                     | 1,55   | Batterie-Spannung<br>Tension de la pile<br>Battery voltage  | Batterie herausnehmen und messen<br>Enlever et mesurer la pile<br>Remove battery for measuring                              |
| 751/751E<br>753               |                      | $\mu\text{A}$<br>$\mu\text{A}$        | 0,20–0,50<br>0,70–1,10                           | Stromaufnahme<br>Consommation de courant<br>Current consumption   | Ohne Batterie, mit externer Speisung<br>Sans pile, avec alimentation externe<br>Without battery, with external power supply |
| 751/751E<br>753               | 2                    | V                                     | $\leq 1,30$                                      | Funktionskontrolle bei Minimalspannung<br>Contrôle de fonctionnement à tension min.<br>Check with lowest possible voltage | Ohne Batterie, mit externer Speisung<br>Sans pile, avec alimentation externe<br>Without battery, with external power supply |
| 751/751E<br>753               | 3                    | K $\Omega$                            | 1.425–1.575                                      | Spulenwiderstand<br>Résistance de la bobine<br>Resistance of the coil   | Ohne Batterie<br>Sans pile<br>Without battery   |
| 751/751E<br>753               | 4                    | K $\Omega$                            | $\infty$   | Spulenisolation<br>Isolation de la bobine<br>Coil insulation  | Ohne Batterie<br>Sans pile<br>Without battery   |
| 751/751E<br>753               |                      | Sek./Monat<br>sec./mois<br>sec./month | - 10/+ 20  | Induktivsonde 60 Sek.<br>Senseur inductif 60 sec.<br>Inductive sensor 60 sec.   | Mit Batterie<br>Avec pile<br>With battery   |

## Einschalen / Werkzeuge

## Emboîtage / outils

## Casing / tools

Nr. H 75x.1A



| 75x.1A                   | SWISS MADE & SWISS PARTS |
|--------------------------|--------------------------|
| Schraube<br>Vis<br>Screw |                          |

### Zeigersetzen

Maximale Aufpresskraft:

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

Beim Zeigersetzen 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.

Nr. H 75x.1T



### 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.