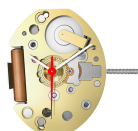


Caliber 753 – 5½"



Product Specifications

Analog quartz movement

Line normtech

Caliber 753

Size 5½"

Version Swiss Made 5 Jewels / gold plated EOL

Version Swiss Parts 1 Jewels / nickel plated

Standard battery life 27 months

High battery life 36 months

Standard hand fitting height 1

Features

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

Functions

- 3 hands

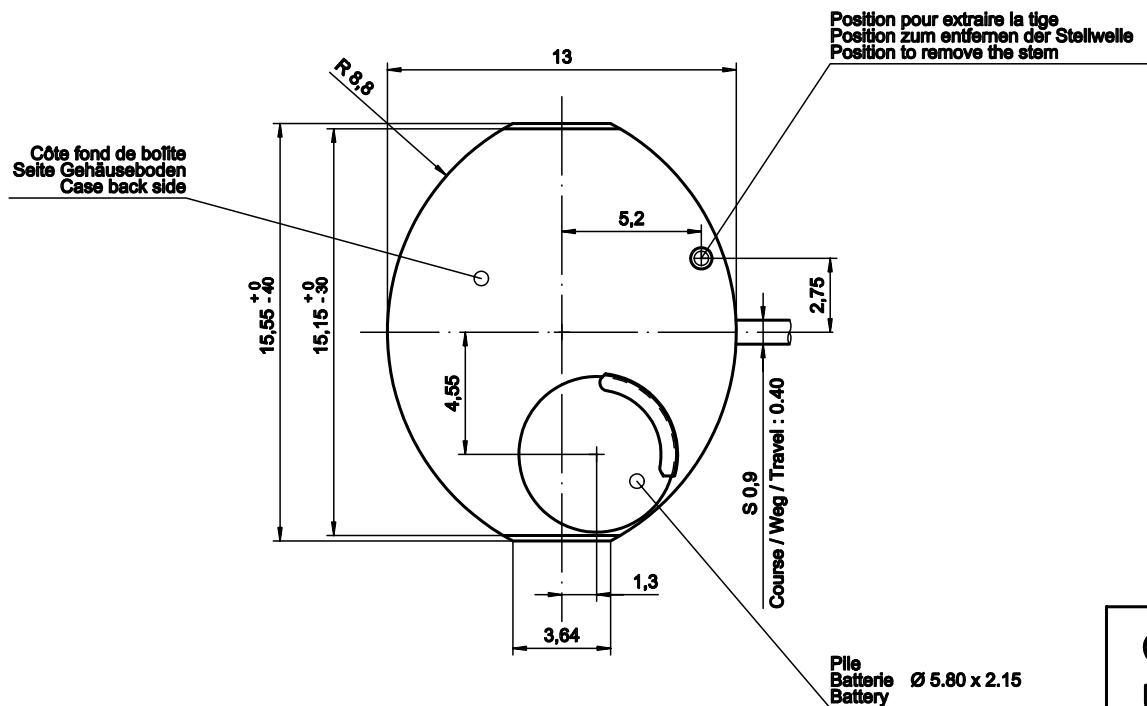
Caliber 753 – 5½"

Technical Specifications

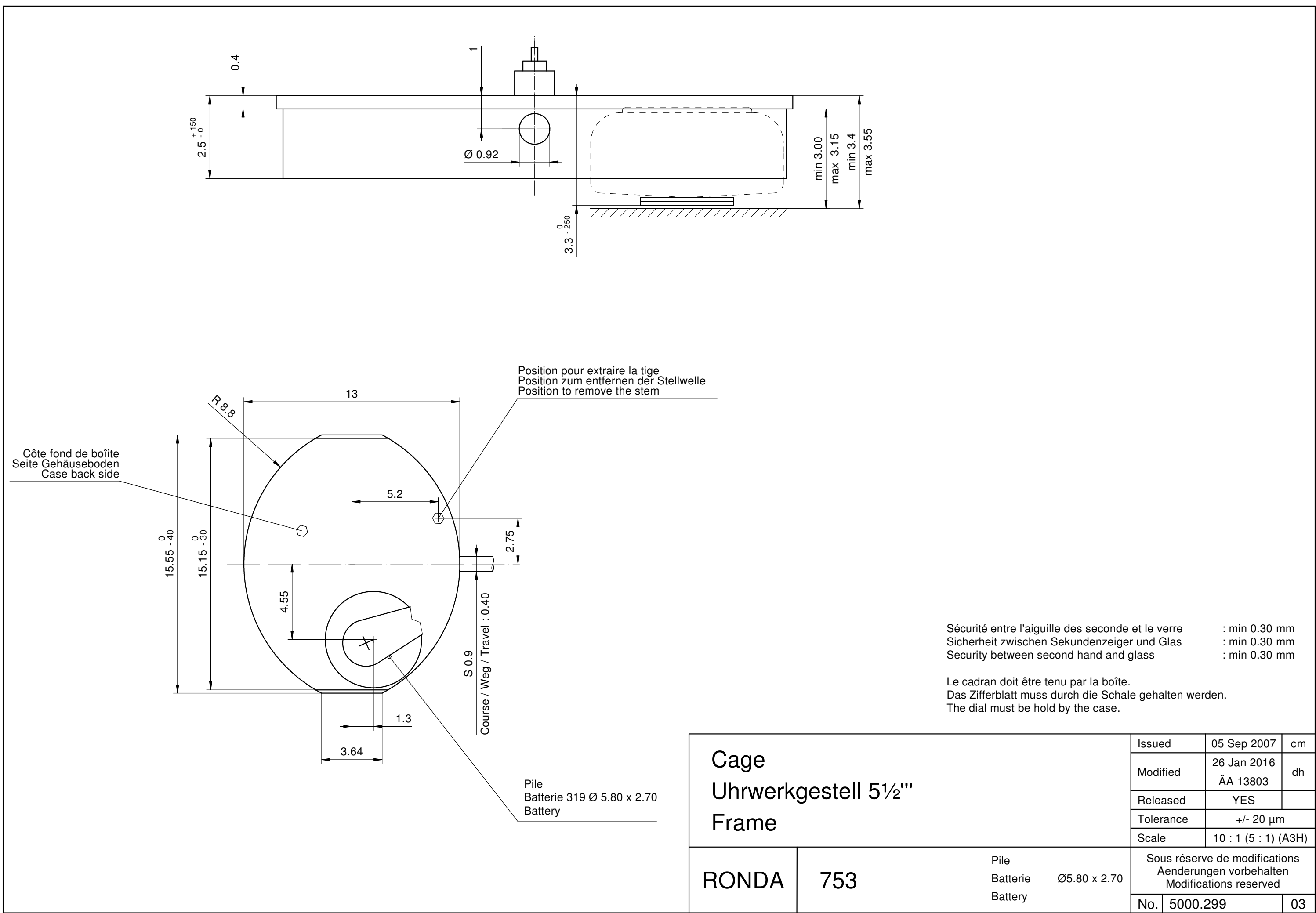
| | |
|--------------------------------|--------------------|
| Diameter Total | 13.00 mm |
| Case fitting | 13.00 mm |
| Movement height | 2.50 mm |
| Height over standard battery | 2.65 mm |
| Height over high battery | 3.25 mm |
| Movement rest | 0.40 mm |
| Height over stem | 1.00 mm |
| Length of stem travel | 0.40 mm |
| Stem thread | 0.90 mm |
| Useful torque second – typical | 5 µNm |
| Useful torque minute – typical | 250 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 |

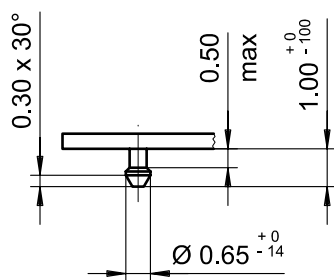
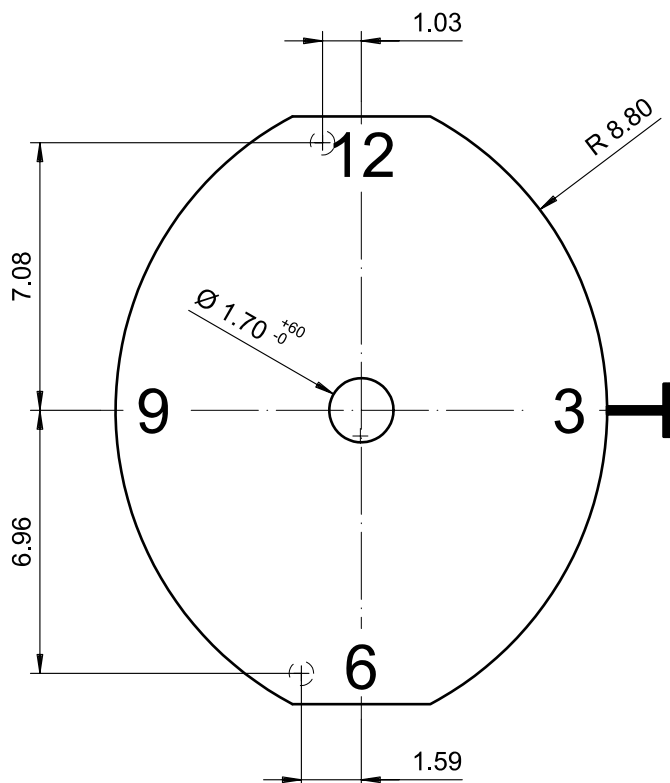
Battery Specifications

| | |
|-------------------------------|-----------|
| Standard battery | No. 379 |
| High battery | No. 319 |
| Standard battery life | 27 months |
| High battery life | 36 months |
| Battery voltage | 1.5 V |
| Current consumption – typical | 0.76 µA |
| Current consumption – maximum | 1.1 µA |



| | | | | | |
|--|----------------|---|-----------|----------------------|----|
| <div>Cage Uhrwerkgestell Frame</div> | | <div>5½"</div> | Issued | 04 Okt 1985 | nt |
| | | | Modified | 11.Dez. 2006 | cm |
| | | | Released | YES | |
| | | | Tolerance | +/- 20 µm | |
| | | | Scale | 10 : 1 (5 : 1) (A3H) | |
| RONDA | 751, 751E, 753 | Sous réserve de modifications Änderungen vorbehalten 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 |

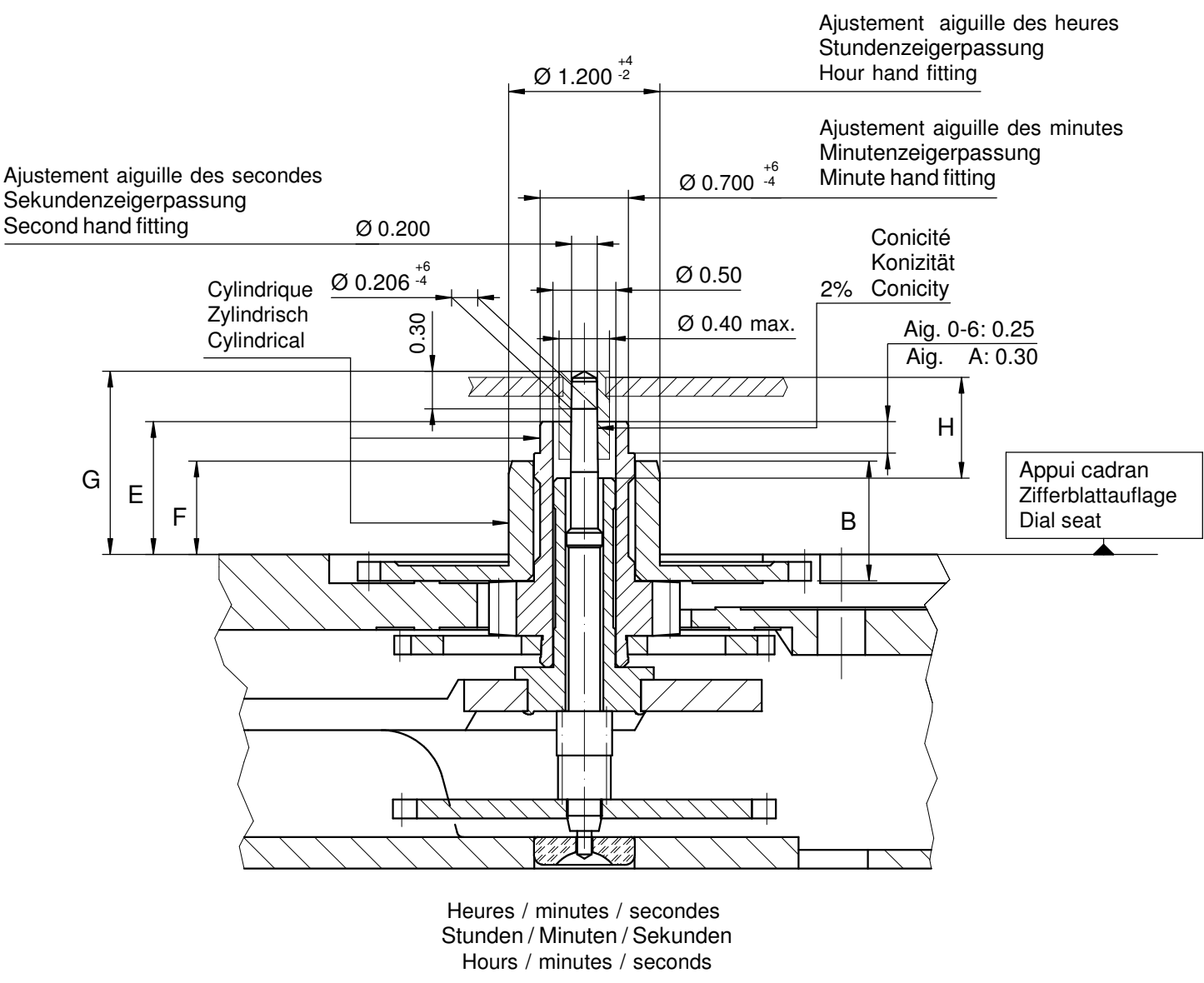
Cadran
Zifferblatt
Dial

5 1/2"

| | | |
|--|------------------------|----|
| Issued | 12 Sep 1985 | nt |
| Modified | 15.Dez.2006 ÄA ---- | cm |
| Released | YES | |
| Tolerance | +/- 20 µm | |
| Scale | 5 : 1 (A4V) | |
| Sous réserve de modifications Äenderungen vorbehalten Modifications reserved | | |
| No. | 5010.366 | 04 |

RONDA

751, 753

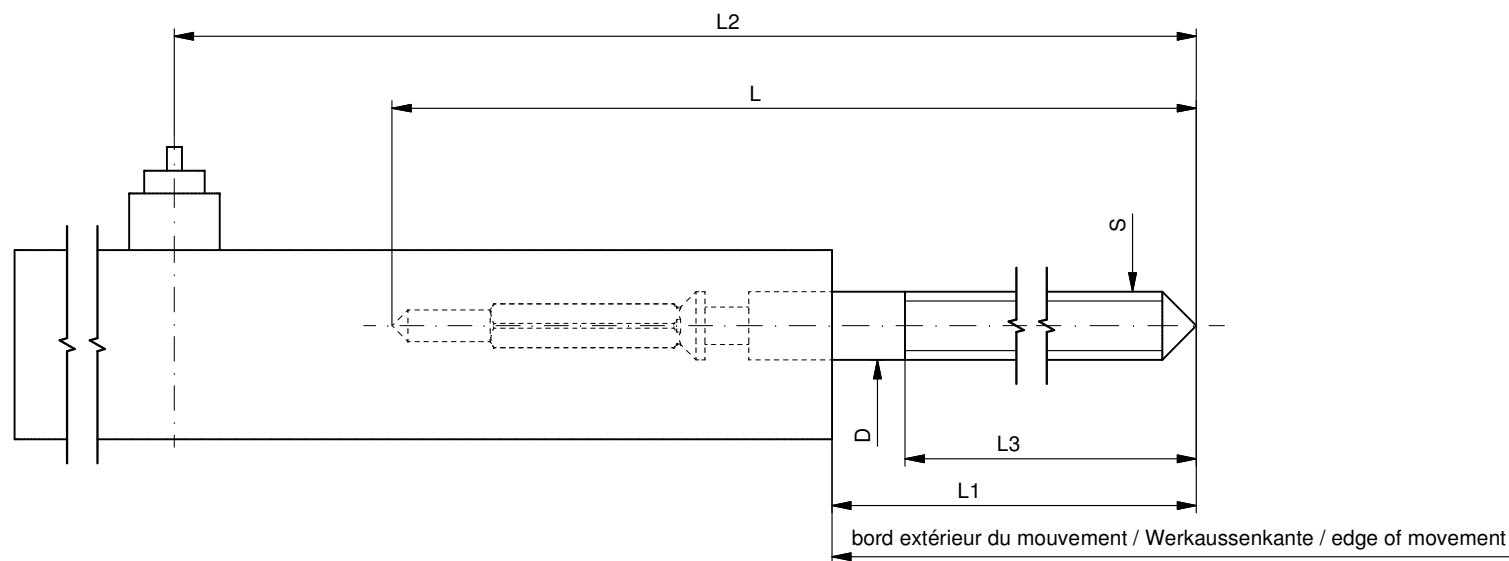


| Aiguillage no ZeigerwerkhöheNr. Hand fitting height No | Dépassement Höhe über Zifferblattauflage Height over dial seat | | | Longueur Länge Length | | Epaisseur max. (peinture comprise) Max. Dicke (inkl. Farbe) Max. thickness (paint included) | | | |
|--|--|--|---|-----------------------------|------|---|---|--|------------------------------|
| | 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 | E | F | H | B | | | | |
| 0 | 1.20 | 0.90 | 0.60 | 0.75 | 0.80 | 0.70 | 0.50 | 0.30 | 0.15 |
| 1 | 1.45 | 1.05 | 0.75 | 0.80 | 0.95 | 0.95 | 0.65 | 0.40 | 0.15 |
| 2 | 1.65 | 1.25 | 0.95 | 0.80 | 1.15 | 1.15 | 0.85 | 0.60 | 0.15 |
| 3 | 2.02 | 1.67 | 1.37 | 1.17 | 1.57 | 1.52 | 1.25 | 1.00 | 0.15 |
| 4 | 3.05 | 2.65 | 2.35 | 0.70 | 2.55 | 2.55 | 2.25 | 2.00 | 0.15 |
| 5 | 3.65 | 3.25 | 2.95 | 1.30 | 3.15 | 3.15 | 2.85 | 2.60 | 0.15 |
| 6 | 2.50 | 2.10 | 1.80 | 1.65 | 2.00 | 2.00 | 1.70 | 1.40 | 0.15 |
| A | 1.65 | 1.25 | 0.85 | 0.80 | 1.06 | 1.15 | 0.85 | 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. | 0.04 | 0.60 | 0.60 | Balourd / Unwucht / Unbalance * |
| gmm ² | max. | 0.2 | - | - | Inertie / Massenträgheit / Inertia * |
| N | max. | 30 | 40 | 40 | Force de chassage / Aufpresskraft / Force |

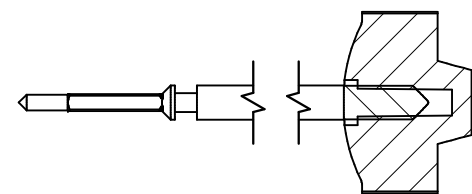
| | | | | |
|---|----------------|---|-------------------------|----|
| Aiguillages Zeigerwerkhöhen 5½", 6¾ x 8" Hand fitting heights | | Issued | 01 Okt 1985 | nt |
| | | Modified | 09 Apr 2013 ÄA 13338 | mc |
| | | Released | Yes | |
| | | Tolerance | µm | |
| | | Scale | 20 : 1 (A3H) | |
| RONDA | 753, 763, 763E | Sous réserve de modifications Änderungen vorbehalten Modifications reserved | | |
| | | No. | 3316.000 | 21 |

* 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)
Arbeitsstellwelle (im Werk eingebaut)
Working stem (implemented in the movement)

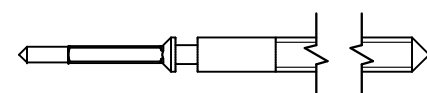
| No. d'article Artikelnummer Part number | L | L1 | L2 | L3 | S | D |
|---|-------|-------|-------|-------|------|------|
| 3000.132.CO | 17.00 | 12.72 | 19.22 | 12.70 | 0.90 | 0.90 |



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

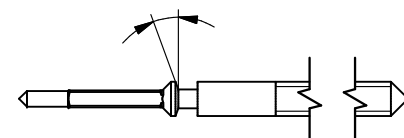
Tige (normale) / Stellwelle (normal) / Stem (normal)

| No. d'article Artikelnummer 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 |



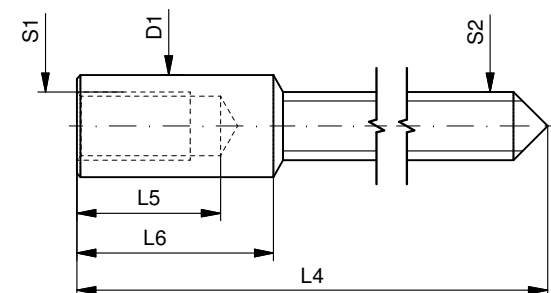
Tige (à arracher)
Stellwelle (Ausreissversion)
Stem (extractable version)

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

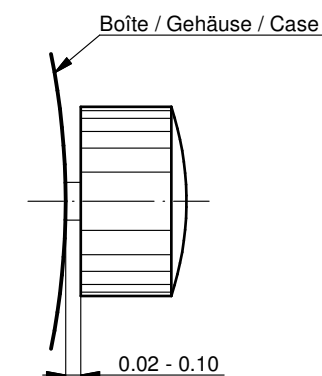


Rallonge de tige / Stellwelle Verlängerung / Stem extension

| No. d'article Artikelnummer Part number | L4 | L5 (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



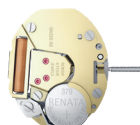
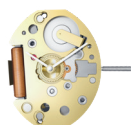
Couronne vissée
Geschraubte Krone
Screwed crown

| | |
|--|------|
| Force ⇄ min. Kraft ⇄ min. Force ⇄ min. | 10 N |
| Force ⇄ max. Kraft ⇄ max. 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 ÄA 34582 | mg5224 |
| Released | YES | |
| Tolerance | --- | |
| Scale | 10:1 (A3) | |
| Sous réserve de modifications Änderungen vorbehalten Modifications reserved | | |
| No. | 5030.012 | 02 |



5 1/2'''



751/751E



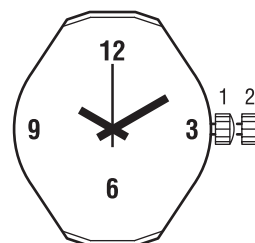
753

Funktionen

Fonctions

Functions

| Kaliber Calibre Caliber | Stellwellenpos. Pos. de tige Stem position | Funktionen Fonctions 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 Mise à l'heure, stop-seconde avec interruption des impulsions moteur Hand setting, stop-second with interruption of motor pulses |



Batterie

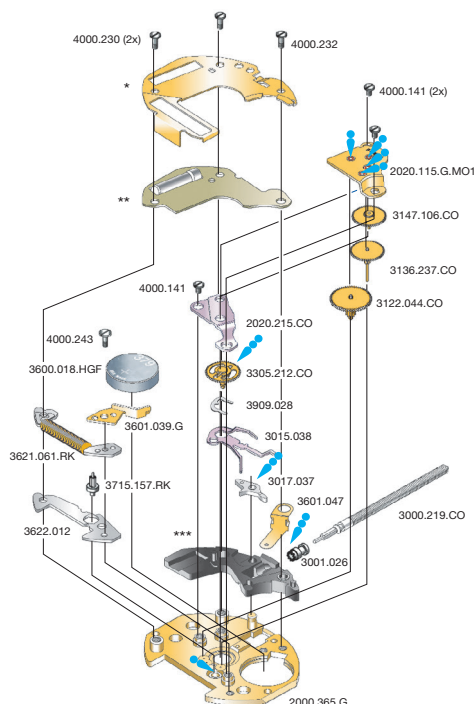
Pile

Battery

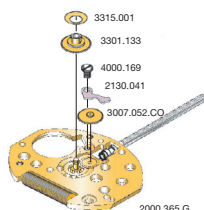
| Kaliber Calibre Caliber | Batterie Pile Battery | Spannung Voltage Tension | Artikelnummer RONDA Numero d'article RONDA Part number RONDA |
|-------------------------------|-----------------------------|--------------------------------|--|
| 751/751E/753 | 379/SR521SW | 1.55 V | 3600.018.HGF |

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: 2130.075.G.M01 Cal. 753: 2130.075.G.M04 | | Cal. 751/751E: 2130.273.G.M01 Cal. 753: 2130.273.G.M04 |
| ** Elektronikmodul/ Module électronique/ Electronic module | | | |
| | Cal. 751/751E: 3612.162.RK Cal. 753: 3612.152.RK | | Cal. 751/751E: 3612.322.RK Cal. 753: 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.

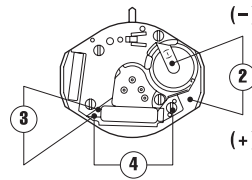
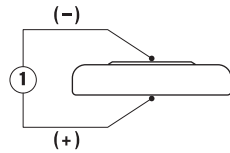
Abweichungen / Divergences / Deviations

| 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 Calibre Caliber | Pos. Pos. Pos. | Einheit Unité Unit | Messwerte Valeurs mesurées Measured values | Kontrolle Contrôle Check | Bemerkungen Remarques Remarks |
|-------------------------------|----------------------|---------------------------------------|--|---|---|
| 751/751E 753 | 1 | V | 1,55 | Batterie-Spannung Tension de la pile Battery voltage | Batterie herausnehmen und messen Enlever et mesurer la pile Remove battery for measuring |
| 751/751E 753 | | μA μA | 0,20–0,50 0,70–1,10 | Stromaufnahme Consommation de courant Current consumption | Ohne Batterie, mit externer Speisung Sans pile, avec alimentation externe Without battery, with external power supply |
| 751/751E 753 | 2 | V | $\leq 1,30$ | Funktionskontrolle bei Minimalspannung Contrôle de fonctionnement à tension min. Check with lowest possible voltage | Ohne Batterie, mit externer Speisung Sans pile, avec alimentation externe Without battery, with external power supply |
| 751/751E 753 | 3 | K Ω | 1.425–1.575 | Spulenwiderstand Résistance de la bobine Resistance of the coil | Ohne Batterie Sans pile Without battery |
| 751/751E 753 | 4 | K Ω | ∞ | Spulenisolation Isolation de la bobine Coil insulation | Ohne Batterie Sans pile Without battery |
| 751/751E 753 | | 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

Emboîtage / outils

Casing / tools

Nr. H 75x.1A



Nr. H 75x.1T



| 75x.1A | SWISS MADE & SWISS PARTS |
|--------------------------|--------------------------|
| Schraube Vis 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.

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.