

Quartz Movements

Classic Functions

RONDA slimtech

Caliber 1032 – 3¾ x 6'''



Product Specifications

Analog quartz movement

| | |
|------------------------------|--------------------------|
| Line | slimtech |
| Caliber | 1032 |
| Size | 3¾ x 6''' |
| Version Swiss Made | 7 Jewels / gold plated |
| Version Swiss Parts | 7 Jewels / nickel plated |
| Standard battery life | 60 months |
| Standard hand fitting height | 1 |

Features

- Do not pull stem during storage
- Very long battery life
- Repairable metal watch movement

Functions

- 2 hands

Quartz Movements

Classic Functions

RONDA slimtech

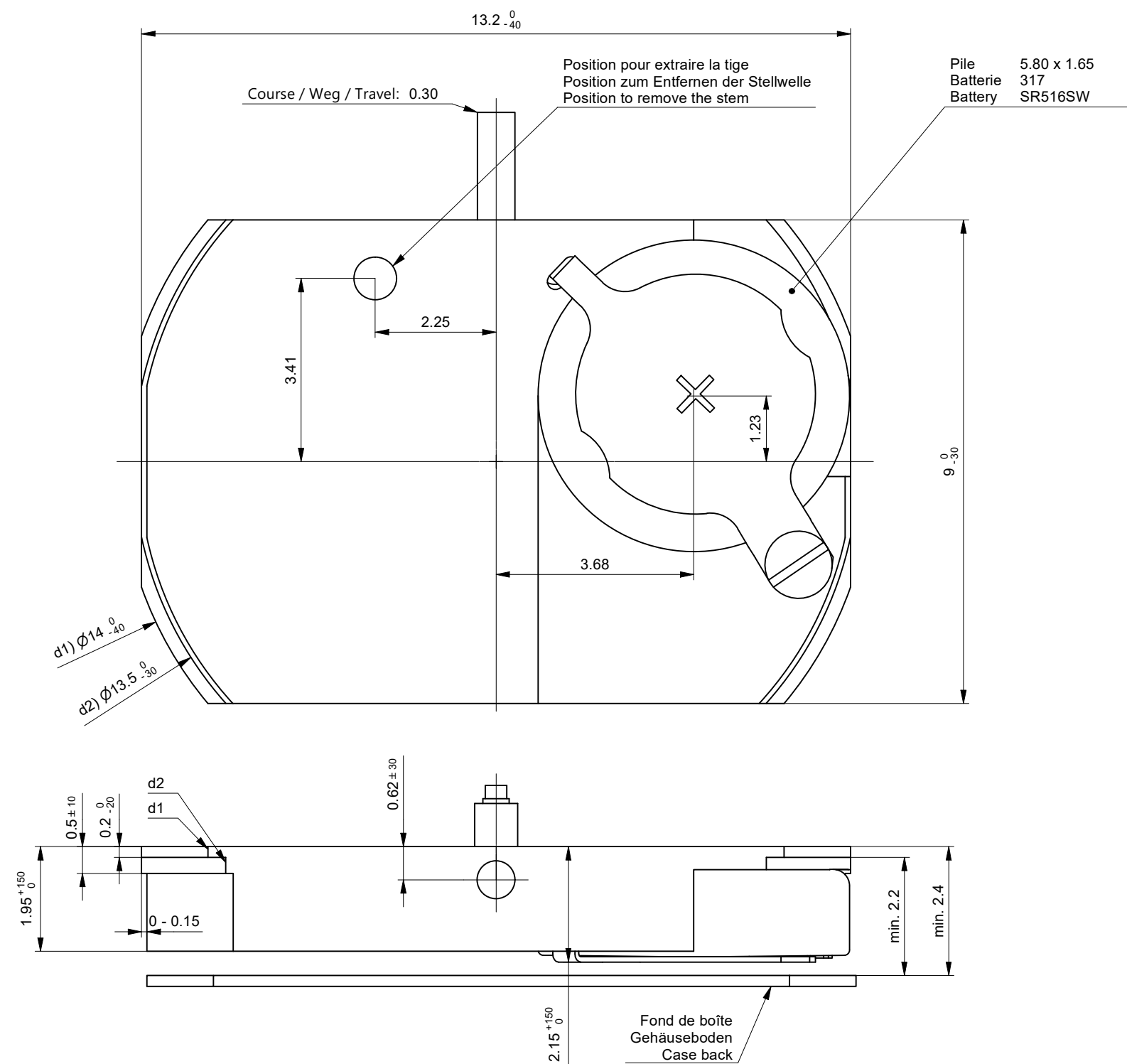
Caliber 1032 – 3¾ x 6"

Technical Specifications

| | |
|--------------------------------|--------------------|
| Diameter Total | 9.00 mm |
| Case fitting | 9.00 mm |
| Movement height | 1.95 mm |
| Height over standard battery | 2.10 mm |
| Movement rest | 0.20 mm |
| Height over stem | 0.62 mm |
| Length of stem travel | 0.30 mm |
| Stem thread | 0.70 mm |
| Useful torque minute – typical | 21 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. 317 |
| Standard battery life | 60 months |
| Battery voltage | 1.5 V |
| Current consumption – typical | 0.25 µA |
| Current consumption – maximum | 0.3 µA |



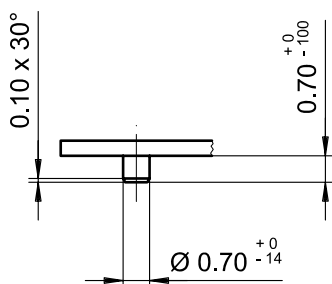
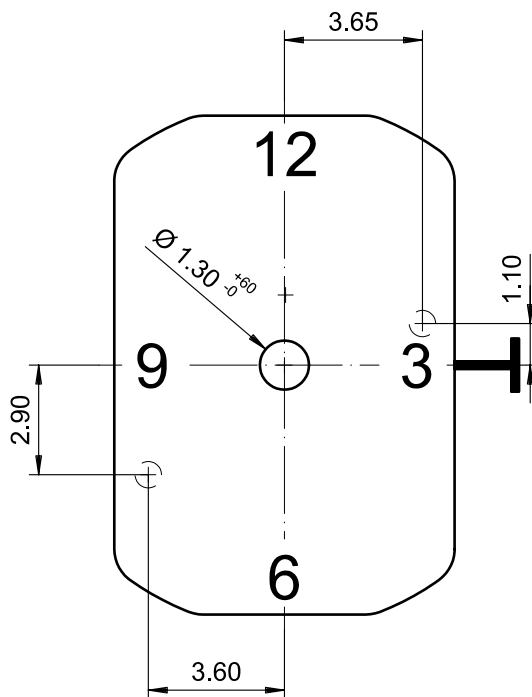
Sécurité entre l'aiguille des minutes et le verre : min. 0.30 mm
Sicherheit zwischen Minutenzeiger und Glas : min. 0.30 mm
Security between minute hand and glass : min. 0.30 mm

Le cadran doit être tenu par la boîte.
Das Zifferblatt muss durch die Schale gehalten werden.
The dial must be held by the case.

Cage Uhrwerkgestell 3¾ 6" Frame

RONDA 1032

| | | |
|---|------------|---------------|
| Issued | 04.02.1988 | ks |
| Modified | 08.11.2021 | dh5221 |
| Released | YES | |
| Mod. No. | 44453 | |
| Tolerance | ±20 µm | |
| Scale | 10 : 1 | Page 1 / 1 A3 |
| Sous réserve de modifications Änderungen vorbehalten Modifications reserved | | |
| No. | 5000.256 | 15 |



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

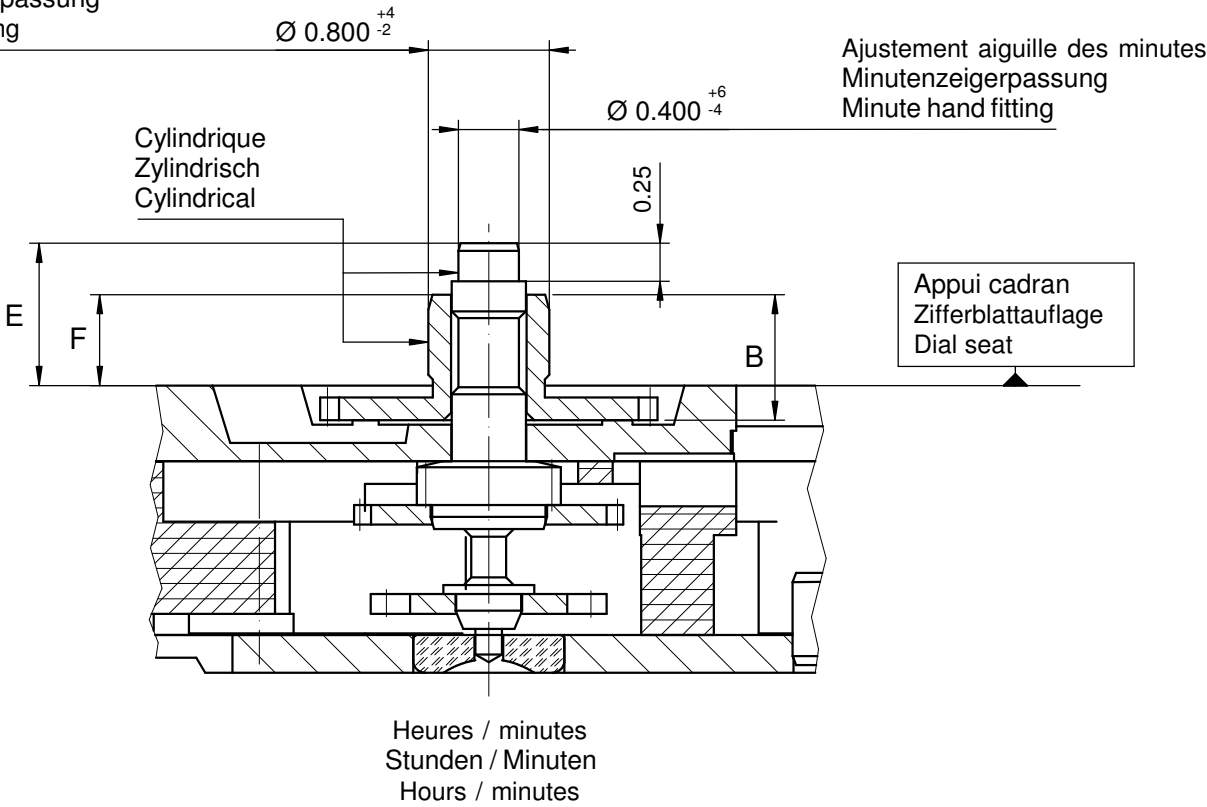
3¾ x 6"

| | | |
|--|------------------------|----|
| Issued | 13 Dez 2006 | cw |
| Modified | 15.Dez.2006 ÄA ---- | cm |
| Released | YES | |
| Tolerance | +/- 20 µm | |
| Scale | 5 : 1 (A4V) | |
| Sous réserve de modifications Äenderungen vorbehalten Modifications reserved | | |
| No. | 5010.449 | 06 |

RONDA

1032

Ajustement aiguille des heures
Stundenzeigerpassung
Hour hand fitting



| | | 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. | 30 | 30 | Masse / Masse / Weight * |
| µNm | max. | 0.12 | 0.12 | Balourd / Unwucht / Unbalance * |
| gmm ² | max. | - | - | Inertie / Massenträgheit / Inertia * |
| N | max. | 40 | 40 | Force de chassage / Aufpresskraft / Force |

* 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

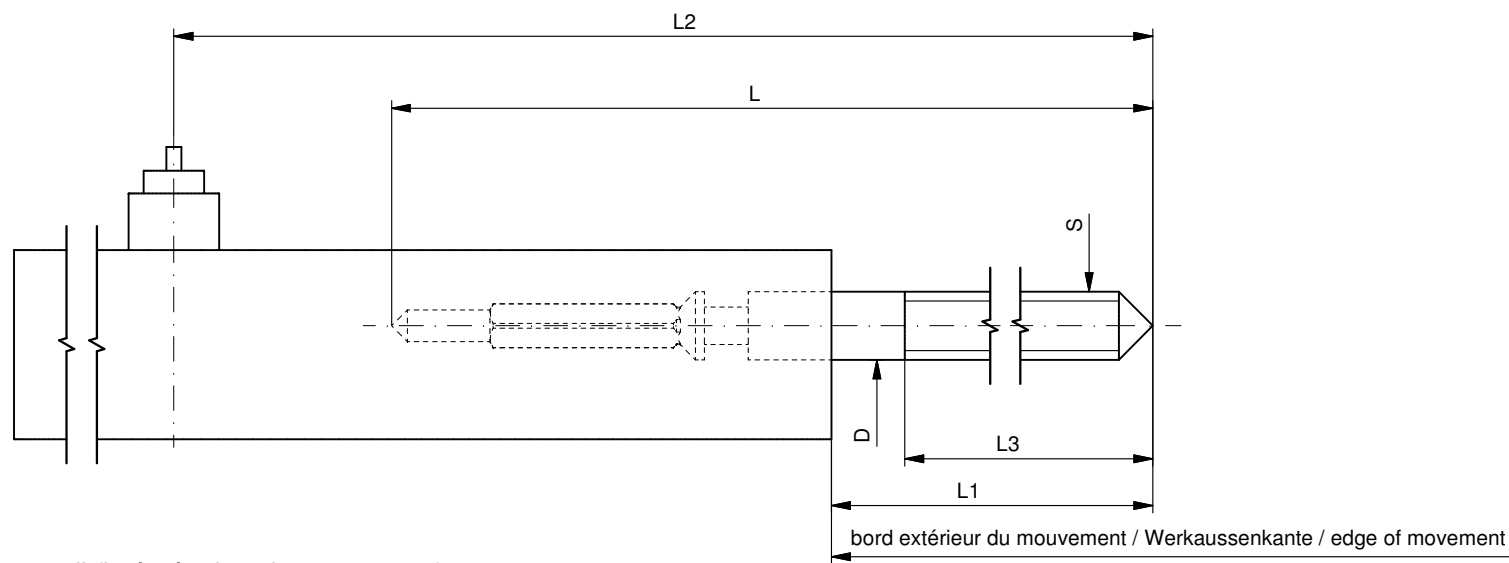
| Aiguillage no. ZeigerwerkhöheNr. Hand fitting height No | Dépassement Höhe über Zifferblattaufgabe Height over dial seat | | | Longueur Länge Length | | Epaisseur max. (peinture comprise) Max. Dicke (inkl. Farbe) Max. thickness (paint included) | | | |
|---|--|---|--|---|--|---|--|------------------------------|------|
| | Chaussée Minutenrohr Cannon-pinion | Roue des heures Stundenrad Hour wheel | | Roue des heures Stundenrad Hour wheel | | Cadran Zifferblatt Dial | | Aiguilles Zeiger Hands | |
| | | | | | | Sous l'aiguille des minutes Unter Minutenzeiger Under minute hand | Sous l'aiguille des heures Unter Stundenzeiger Under hour hand | | |
| | E | F | | B | | | | | |
| 0 | 0.94 | 0.60 | | 0.83 | | 0.50 | 0.30 | | 0.15 |
| 1 | 1.14 | 0.80 | | 1.03 | | 0.70 | 0.50 | | 0.15 |
| 2 | 1.44 | 1.10 | | 1.33 | | 1.00 | 0.80 | | 0.15 |
| 3 | 1.84 | 1.50 | | 1.73 | | 1.40 | 1.20 | | 0.15 |

Sous réserve de toutes modifications

Aenderungen vorbehalten

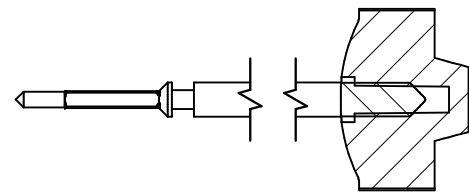
All modifications reserved

| | | | | | |
|--|------|---|----------|-------------------------|----|
| Aiguillages Zeigerwerkhöhen Hand fitting heights | | Issued | | 02 Feb 2005 | fl |
| | | Modified | | 18 Feb 2011 ÄA 10340 | ps |
| | | Released | | Yes | |
| | | Tolerance | | µm | |
| | | Scale | | 20 : 1 (A3H) | |
| RONDA | 1032 | Sous réserve de modifications Änderungen vorbehalten Modifications reserved | | | |
| | | No. | 3316.093 | 04 | |



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

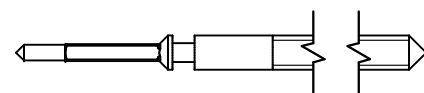
| No. d'article Artikelnummer Part number | L | L1 | L2 | L3 | S | D |
|---|-------|-------|-------|-------|------|------|
| 3000.142.CO | 16.95 | 13.37 | 17.87 | 13.45 | 0.70 | 0.70 |



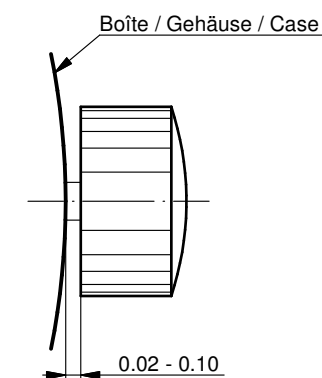
| | |
|--|----------------------|
| Couleur de la couronne Kronenfarbe Crown color | rose rosa pink |
| Code | UN 3031 |

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

| No. d'article Artikelnummer Part number | L | L1 | L2 | L3 | S | D |
|---|-------|-------|-------|-------|------|------|
| 3000.142 | 16.95 | 13.37 | 17.87 | 13.45 | 0.70 | 0.70 |
| 3000.146 | 16.95 | 13.37 | 17.87 | 13.25 | 0.80 | 0.70 |
| 3000.175 | 16.95 | 13.37 | 17.87 | 13.25 | 0.90 | 0.70 |
| 3000.184 | 20.00 | 16.42 | 20.92 | 16.50 | 0.70 | 0.70 |



Couronne normale
Normale Krone
Normal crown

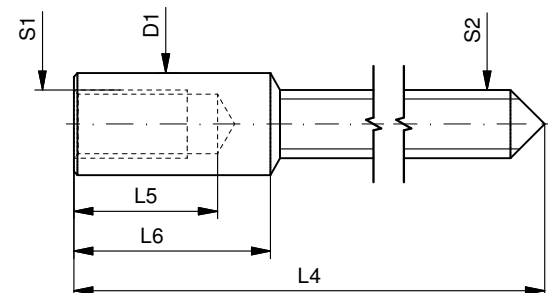


Couronne vissée
Geschraubte Krone
Screwed crown

| | |
|--|------|
| Force ⇄ min. Kraft ⇄ min. Force ⇄ min. | 10 N |
| Force ⇄ max. Kraft ⇄ max. Force ⇄ max. | 15 N |

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 |



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

RONDA 1032

| | | |
|--|-------------------------|--------|
| Issued | 30 Aug 2012 | ds5222 |
| Modified | 17 Mär 2017 ÄA 34582 | mg5224 |
| Released | YES | |
| Tolerance | --- | |
| Scale | 10:1 (A3) | |
| Sous réserve de modifications Äenderungen vorbehalten Modifications reserved | | |
| No. | 5030.011 | 02 |



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Technische Anleitung Instructions techniques Technical Instructions

1032



3 ³/₄“ x 6“



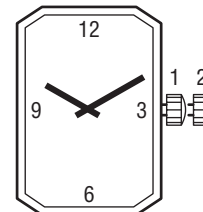
Cal. 1032

Funktionen

Fonctions

Functions

| Kaliber | Stellwellenpos. | Funktionen |
|---------|-----------------|--|
| Calibre | Pos. de tige | Fonctions |
| Caliber | Stem position | Functions |
| 1032 | 1 | Normale Position / Position normale / Running position |
| | 2 | Zeiger stellen / Mise à l'heure / Hand setting |



Batterie

Pile

Battery

| Kaliber | Batterie | Spannung | Artikelnummer RONDA |
|---------|-------------|----------|------------------------|
| Calibre | Pile | Voltage | Numero d'article RONDA |
| Caliber | Battery | Tension | Part number RONDA |
| 1032 | 317/SR516SW | 1.55 V | 3600.019.HGF |

Werkaufbau

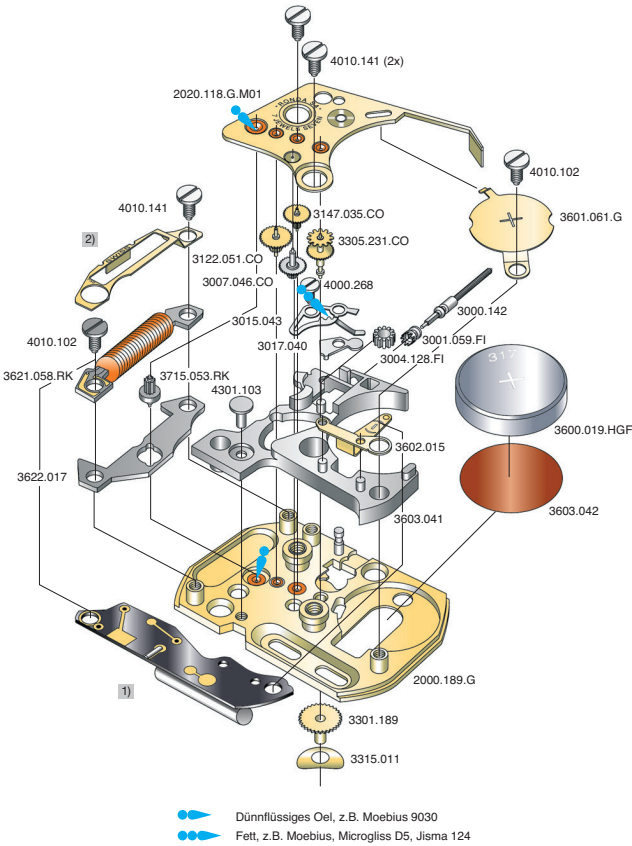
Assemblage

Assembling

3 3/4 x 6''' 1032

| Cal. 1032 | Werkseite / Côté mouvement / Movement side | | |
|----------------|--|-------------------|--------------------|
| Plan no. | Bestandteile | Fournitures | Spare Parts |
| 2000.469.G | Werkplatte | Platine | Main plate |
| 2020.118.G.M01 | Räderwerkbrücke | Pont rouage | Train w. bridge |
| 3000.142 | Stellwelle | Tige | Stem |
| 3001.059.FI | Kupplungstrieb | Pignon coulant | Sliding pinion |
| 3004.128.FI | Zeigerstellrad | Renvoi | Setting wheel |
| 3007.046.CO | Wechselrad | Minuterie | Minute wheel |
| 3015.043 | Wippe | Bascule | Yoke |
| 3017.040 | Stellhebel | Tirette | Setting lever |
| 3122.051.CO | Kleinbodenrad | Roue moyenne | Third wheel |
| 3147.035.CO | Zwischenrad | Roue intermed. | Intermed. wheel |
| 3305.231.CO | Minutenrohr | Chaussée | Cannon pinion |
| 3600.019.HGF | Batterie | Pile | Battery |
| 3601.061.G | Batteriehalter(+) | Bride pile(+) | Battery clamp(+) |
| 3602.015 | Batteriekontakt(-) | Bride contact(-) | Battery contact(-) |
| 3603.041 | Kunstst.-Zw.-teil | Potence plast. | Set. mech. cover |
| 3603.042 | Batt.Isolation | Isolateur pile | Battery insulation |
| 1) | Modul | Module | Module |
| 3621.058.RK | Spule | Bobine | Coil |
| 3622.017 | Stator | Stator | Stator |
| 2) | Spulenschutz | Protection bobine | Coil protection |
| 3715.053.RK | Rotor | Rotor | Rotor |
| 4000.268 | Schraube | Vis | Screw |
| 4010.102 | Schraube | Vis | Screw |
| 4010.141 | Schraube | Vis | Screw |
| 4301.103 | Stift für Potence | Pivot potence | Pilar |

| Cal. 1032 | Zifferblattseite / Coté cadran / Dial side | | |
|-----------|--|-------------|-------------|
| Plan No. | Bestandteile | Fournitures | Spare Parts |
| 3301.189 | Stundenrad | Canon | Hour wheel |
| 3315.011 | Spreizfeder | Clinquant | Washer |

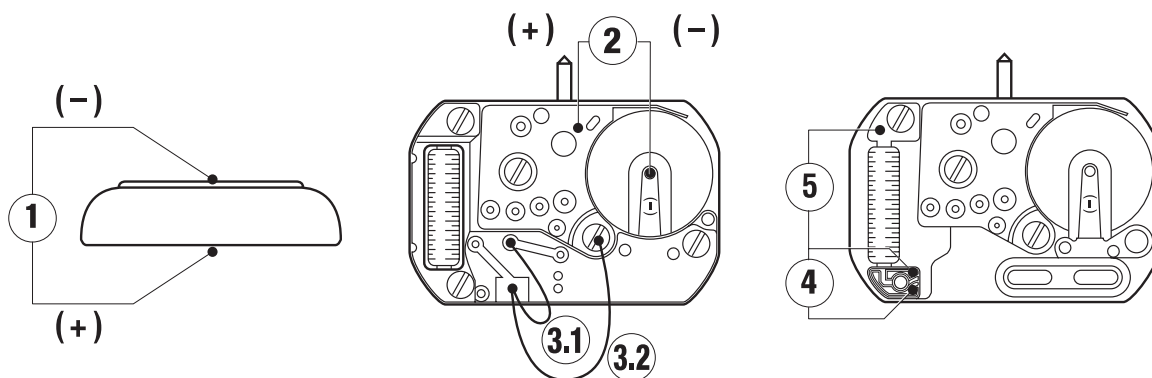


| | | 1032 SWISS MADE | 1032 SWISS PARTS |
|----|--|--------------------|---------------------|
| 1) | Modul Module Module | 3612.155 | |
| 2) | Spulenschutz Protection bobine Coil protection | 3651.024.G.M01 | 3651.024.M02 |

Elektr. Messungen

Contrôles électriques

Electrical checking



| Kaliber Calibre Caliber | Pos. Pos. Pos. | Einheit Unité Unit | Messwerte Valeurs mesurées Measured values | Kontrolle Contrôle Check | Bemerkungen Remarques Remarks |
|-------------------------------|----------------------|---|--|--|--|
| 1032 | 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 |
| 1032 | 2 | µA | 0,28 < 0,38 ~ 3,30 ** | Stromverbrauch ** (bei gezogener Stellwelle) Consom. de courant ** (avec tige tirée) Power consumption ** (with pulled stem) | Ohne Batterie, mit externer Speisung 1,55V Sans pile, avec alimentation externe de 1,55V Without battery, with ext. power supply 1,55V |
| 1032 | 2 | V | 1,35 V | Funktionskontrolle bei Minimalspannung Contrôle de fonctionnement à tension min. Operation with lowest possible voltage | Ohne Batterie, mit externer Speisung unter Kontaktierung von Punkt 3.1 (Acc.) Sans pile, alimentation externe en relayant le point 3.1 (Acc.) Without battery, with external power supply by contacting point 3.1 (Acc.) |
| 1032 | 3.1 | Hz | 32 Hz | Motorimpuls beschleunigt Impulsions de moteur accélérées Accelerated motor pulses | Mit Batterie oder externer Speisung 1,55V Avec pile ou alimentation externe de 1,55V With battery or ext. power supply of 1,55V |
| 1032 | 3.2 | Hz | 0 | Motorimpuls unterbrochen Impulsions de moteur interrompues Interrupted motor pulses | Mit Batterie oder externer Speisung 1,55V Avec pile ou alimentation externe de 1,55V With battery or ext. power supply of 1,55V |
| 1032 | 4 | K | 1,80–1,95 | Spulenwiderstand Résistance de la bobine Coil resistance | Ohne Batterie Sans pile Without battery |
| 1032 | 4 | K | ∞ | Spulenisolation Isolation de la bobine Coil insulation | Ohne Batterie Sans pile Without battery |
| 1032 | | Sek. / Monat sec. / mois sec. / month | | - 10/+ 20 | Induktivsonde 60 Sekunden Senseur inductif 60 secondes Inductive sensor 60 seconds |
| | | | | | Mit Batterie Avec pile With battery |

Einschalen / Werkzeuge

Emboîtage / outils

Casing / tools

Nr. H 1032.1A



Zeigersetzen

Maximale Aufpresskraft:

– Stunden und Minutenzeiger: max. 40N

Beim Zeigersetzen muss das Werk abgestützt werden.

Poser les aiguilles

Force de chassage maximale:

– Aiguilles des heure et des minutes: max. 40N

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

Hand setting

Maximal force:

– Hour and minute hands: max. 40N

The movement needs to be supported for hand setting.

Nr. H 1032.1T



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.