RONDA normtech 700 & 6000

Long battery-life and special functionality

Caliber 6004.D – 11½'''

Product Specifications

- Analog quartz movement
- Line: normtech
- Caliber: 6004.D
- Size: 11½'''
- Version: Swiss Made
- 5 Jewels / gold plated
- Standard 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%
### Functions
- Date
- Small second
- 2 hands

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter Total</td>
<td>26.00 mm</td>
</tr>
<tr>
<td>Case fitting</td>
<td>25.60 mm</td>
</tr>
<tr>
<td>Movement height</td>
<td>2.50 mm</td>
</tr>
<tr>
<td>Height over standard battery</td>
<td>2.50 mm</td>
</tr>
<tr>
<td>Movement rest</td>
<td>0.60 mm</td>
</tr>
<tr>
<td>Height over stem</td>
<td>1.00 mm</td>
</tr>
<tr>
<td>Length of stem travel</td>
<td>0.90 mm</td>
</tr>
<tr>
<td>Force to push the stem for screwed crown</td>
<td>10 / 17.5 N</td>
</tr>
<tr>
<td>Stem thread</td>
<td>0.90 mm</td>
</tr>
<tr>
<td>Standard battery</td>
<td>373</td>
</tr>
<tr>
<td>Standard battery life</td>
<td>40 months</td>
</tr>
<tr>
<td>Battery voltage</td>
<td>1.5 V</td>
</tr>
<tr>
<td>Current consumption – typical</td>
<td>1.03 μA (Date Mechanism not in Gear)</td>
</tr>
<tr>
<td>Current consumption – maximum</td>
<td>1.45 μA (Date Mechanism not in Gear)</td>
</tr>
<tr>
<td>Useful torque second – typical</td>
<td>6 μNm</td>
</tr>
<tr>
<td>Useful torque minute – typical</td>
<td>300 μNm</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 - 50 °C</td>
</tr>
<tr>
<td>Instantaneous rate</td>
<td>-10/ +20 sec/month</td>
</tr>
<tr>
<td>Resistance to magnetic fields</td>
<td>18.8 Oe</td>
</tr>
<tr>
<td>Resistance against shock</td>
<td>NIHS 91-10</td>
</tr>
</tbody>
</table>
Position pour extraire la tige
Position to remove the stem

Vis No.: 4000.236
Screw No.: 

Vis No.: 4000.237
Screw No.: 

Côté fond de boîte
Seite Gehäuseboden
Case back side

Pile
Battery 373 Ø 9.50 x 1.65

Sécurité entre l'aiguille des secondes et le 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 tenu par la boîte.
Das Zifferblatt muss durch die Schale gehalten werden.
The dial must be hold by the case.

Cage
Uhrwerkgestell
Frame

RONDA 6004.D

11½”

Issued: 22 Nov 2006
Modified: 09 Jul 2007
Released: YES
Tolerance: +/- 20 µm
Scale: 10 : 1 (5 : 1) (A3H)

No.: 5000.333
Cadran
Zifferblatt
Dial

11½"

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

Tige Date
Stellw. Datum
3H 3H

Stem Date

Issued 23 Nov 2006 cm
Modified 21 Apr. 2008 fl
Released YES
Tolerance +/- 20 µm
Scale 5 : 1 (A4V)

RONDA 6004.D

Sous réserve de modifications
Aenderungen vorbehalten
Modifications reserved

No. 5010.762 01
Epaisseur du cadran selon hauteur de l’aiguillage
Zifferblattdicke gemäss Zeigerwerkhöhen
Dial thickness according to hand fitting heights

<table>
<thead>
<tr>
<th>Tige</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stellw.</td>
<td>Datum</td>
</tr>
<tr>
<td>Stem</td>
<td>Date</td>
</tr>
<tr>
<td>3H</td>
<td>6H</td>
</tr>
</tbody>
</table>

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**Cadran**
**Zifferblatt**
**Dial**

11½"

**RONDA**
**6004.D**

<table>
<thead>
<tr>
<th>Issued</th>
<th>23 Nov 2006</th>
<th>cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified</td>
<td>13 Mär 2012</td>
<td>ds</td>
</tr>
<tr>
<td>Released</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Tolerance</td>
<td>+/- 20 µm</td>
<td></td>
</tr>
<tr>
<td>Scale</td>
<td>5 : 1 (A4V)</td>
<td></td>
</tr>
</tbody>
</table>

*Issued* 23 Nov 2006 cm
*Modified* 13 Mär 2012 ds
*Released* YES
*Tolerance* +/- 20 µm
*Scale* 5 : 1 (A4V)

Sous réserve de modifications
Änderungenvorbehalten
Modificationsreserved

No. 5010.763 01
### Aiguillages Zeigerwerkhoehen 11½''
Hand fitting heights

<table>
<thead>
<tr>
<th>No.</th>
<th>E</th>
<th>F</th>
<th>J</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.40</td>
<td>1.10</td>
<td>0.70</td>
<td>0.90</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Ag des minutes</th>
<th>Minute hand fitting</th>
<th>Ag petite secondes</th>
<th>petite second hand fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>mg max</td>
<td>30</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>µm max</td>
<td>0.80</td>
<td>0.80</td>
<td>0.05</td>
</tr>
<tr>
<td>gmm² max</td>
<td>-</td>
<td>-</td>
<td>0.4</td>
</tr>
<tr>
<td>N max</td>
<td>40</td>
<td>40</td>
<td>30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Masse / Masse / Weight *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balourd / Unwucht / Unbalance *</td>
</tr>
<tr>
<td>Inertie / Massenträgheit / Inertia *</td>
</tr>
<tr>
<td>Force de chassage / Aufpresskraft / Force</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>No. d'article</th>
<th>Artikelnummer</th>
<th>Part number</th>
<th>L</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>S</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000.189.CO</td>
<td>19.30</td>
<td>10.57</td>
<td>23.37</td>
<td>10.15</td>
<td>0.90</td>
<td>1.10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tige (normale) / Stellwelle (normal) / Stem (normal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. d'article</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td>3000.189</td>
</tr>
<tr>
<td>3000.199</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Couronne normale</th>
<th>Normal crown</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. d'article</td>
<td>Artikelnummer</td>
</tr>
<tr>
<td>3000.040</td>
<td>12.00</td>
</tr>
</tbody>
</table>


- **Couleur de la couronne / Kronfarbe / Crown color**: marron  
  - **Kronenfarbe**: kastanienbraun  
  - **Code**: UN 8018

- **Sous réserve de modifications / Aenderungen vorbehalten / Modifications reserved**

- **Bolts / Gehäuse / Case**
  - **Code**: UN 8018

- **Couronne vissée / Geschraubte Krone / Screwed crown**
  - **Force / Kraft / min.**: 10 N
  - **Force / Kraft / max.**: 15 N

- **Tige de travail (intégré dans le mouvement) / Arbeitsstelle (im Werk eingebaut) / Working stem (implemented in the movement)**

- **Rallonge de tige / Stellwelle Verlängerung / Stem extension**
  - **No. d'article | Artikelnummer | Part number | L  | L5 (min) | L6 | S1 | S2 | D1 |
  | 3000.040      | 12.00         | 1.90        | 2.60  | 0.90 | 0.90 | 1.35 |

**Issued**: 06 Sep 2012  
**Modified**: 17 Mar 2017  
**Released**: YES  
**Tolerance**: ...  
**Scale**: 10:1 (A3)
Fitting dial and hands

- Crown in position III
- Wind hour hand forwards, until date changes
- Remove working hand
- Set friction spring 3315.001 on the hour wheel, if not yet in place
- Fit dial
- Point all hands towards 12 o’clock
- Set time
- Crown in position II
- Set date
- Crown in position I

Date switching duration: ~1½hrs

General Instructions

Removing the setting stem can only be effected in Pos. I.

The use of supporting screws is essential when mounting the hands.

Permitted hand setting strengths:
- Hr / min. hands: <40N
- Other hand: <30N

During quick date correction (setting stem in position II), a date switching speed of 5 d/s must not be exceeded.
You have decided to buy a watch, which was assembled by a watchmaker using a Ronda movement. Please note that no watches are produced or distributed under the Ronda brand.

In case of repairs, guarantee claims and questions concerning the functioning of a watch, purchasers and consumers should contact their retailer or the watch manufacturer, for which the relevant information can be found in the sales or guarantee documentation provided with the watch.

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