# RONDA normtech 700 & 6000

Long battery-life and special functionality

## Caliber 6004.D – 11½'''

![Watch Images]

<table>
<thead>
<tr>
<th><strong>Product Specifications</strong></th>
<th><strong>Features</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog quartz movement</td>
<td>– Repairable metal watch movement</td>
</tr>
<tr>
<td>Line normtech</td>
<td>– Power saving mechanism with pulled out stem: Reduction of consumption approximately 70%</td>
</tr>
<tr>
<td>Caliber 6004.D</td>
<td></td>
</tr>
<tr>
<td>Size 11½'''''</td>
<td></td>
</tr>
<tr>
<td>Version Swiss Made 5 Jewels / gold plated</td>
<td></td>
</tr>
<tr>
<td>Standard battery life 40 months</td>
<td></td>
</tr>
<tr>
<td>Hand fitting height 1</td>
<td></td>
</tr>
</tbody>
</table>
### 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 zum entfernen der Stellwelle
Position to remove the stem

Côté fond de boîte
Seite Gehäuseboden
Case back side

Viss No.:
Scharbe Nr.:
Screw No.:

Vis No.:
Scharbe Nr.:
Screw No.:

Sécurité entre l'aiguille des secondes et le verre:
Sicherheit zwischen Sekundenzeiger und Glas:
Security between second hand and glass:

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

Pile
Batterie 373 Ø 9.50 x 1.65
Battery

Cage
 Uhrwerkgestell
Frame

RONDA 6004.D

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

No. 5000.333 02

11½"
Epaisseur du cadran selon hauteur de l'aiguillage
Zifferblattdicke gemäß Zeigerwerk höhen
Dial thickness according to hand fitting heights

Cadran
Zifferblatt
Dial

RONDA 6004.D

11½"
Epaisseur du cadran selon hauteur de l'aiguillage
Zifferblattdicke gemäss Zeigerwerkhöhen
Dial thickness according to hand fitting heights

Cadran
Zifferblatt
Dial

11 1/2"

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

Sous réserve de modifications
Aenderungenvorbehalten
Modifications reserved
### Aiguillages Zeigerwerköhöhen 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>

**Aiguillages Zeigerwerköhöhen**

*Hand fitting heights*

<table>
<thead>
<tr>
<th>Métrique</th>
<th>Hand fitting height</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>cm</td>
</tr>
<tr>
<td>0.70</td>
<td>0.05</td>
</tr>
<tr>
<td>0.90</td>
<td>0.05</td>
</tr>
<tr>
<td>1.00</td>
<td>0.05</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Épaisseur maximum du cadran</th>
<th>Maximal dial thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>cm</td>
</tr>
<tr>
<td>0.70</td>
<td>0.05</td>
</tr>
<tr>
<td>0.90</td>
<td>0.05</td>
</tr>
<tr>
<td>1.00</td>
<td>0.05</td>
</tr>
</tbody>
</table>

*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*
<table>
<thead>
<tr>
<th>No. d'article</th>
<th>Article 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></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>
</tr>
<tr>
<td>3000.199</td>
<td></td>
<td>25.00</td>
<td>16.27</td>
<td>29.07</td>
<td>15.85</td>
<td>0.90</td>
<td>1.10</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>No. d'article</th>
<th>Article 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</td>
<td></td>
<td>19.30</td>
<td>10.57</td>
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<td>10.15</td>
<td>0.90</td>
<td>1.10</td>
</tr>
<tr>
<td>3000.199</td>
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<td>29.07</td>
<td>15.85</td>
<td>0.90</td>
<td>1.10</td>
</tr>
</tbody>
</table>

**Rallonge de tige / Stellwelle Verlängerung / Stem extension**

<table>
<thead>
<tr>
<th>No. d'article</th>
<th>Article number</th>
<th>L4</th>
<th>L5 (min)</th>
<th>L6</th>
<th>S1</th>
<th>S2</th>
<th>D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000.040</td>
<td></td>
<td>12.00</td>
<td>1.90</td>
<td>2.60</td>
<td>0.90</td>
<td>0.90</td>
<td>1.35</td>
</tr>
</tbody>
</table>

**Couronne normale / Normal crown / Couronne vissée / Screwed crown**

<table>
<thead>
<tr>
<th>Code</th>
<th>UN 8018</th>
</tr>
</thead>
</table>

**Dimensions**

- **L**: Main length
- **L1**: Length of the first section
- **L2**: Length of the second section
- **L3**: Length of the third section
- **S**: Height
- **D**: Diameter

**Stem (dimensions / forces)**

- **Force / Kraft**:
  - Min.: 10 N
  - Max.: 15 N

**Rallonge de tige / Stellwelle Verlängerung / Stem extension**

- **L4**: Length of the extension
- **L5 (min)**: Minimum length of the extension
- **L6**: Length of the base
- **S**: Width
- **S1**: Height of the extension
- **S2**: Height of the base
- **D1**: Diameter of the extension

**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.

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**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:** ~1½ hrs

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**Movement holder**

*Removing setting stem*

H6XXX.1T

**Movement holder**

*Setting hands*

H6XXX.1A2
### Movements Caliber

**RONDON powertech**
- 585
- 505
- 515
- 784
- 785
- 714
- 715
- 715Li

**RONDON slimtech**
- 1005
- 1006
- 1009
- 1015
- 1016
- 1019

**RONDON normtech**
- 774 – 6003.D
- 775 – 6004.D
- 704 – 6003.B
- 705 – 6004.B
- 784
- 714
- 715
- 715Li

**RONDON mastertech**
- 505 / 515
- 704 / 705 / 714 / 715
- 1009 / 1015 / 1016 / 1019

---

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.

### Setting the Time

**Pos. I** Position of rest (watch running)

**Pos. II** Quick-change correction for date

The date can also be corrected during the day-changing phase between 10 pm and midnight. The date of the following day has to be set, because no automatic date change takes place at midnight.

- Pull the crown out to position II (watch still running).
- Turn the crown clockwise until the required date appears.
- Push the crown back into position I.

**Pos. III** Setting the time

- Pull the crown out to position III (watch stopped).
- Turn the crown, until the current time is displayed (remember the 24-hour cycle).
- Push the crown back into position I.

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**Cal. 7002.B**
- Battery type: CR 2016
- Precision: +20/-10 seconds per month

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**Cal. 7003.B**
- Battery type: SR714SW

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**Cal. 7004.B**
- Battery type: SR916SW

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**Cal. 7002.B & 6004.D**
- Turn the crown until the required date appears.
- Push the crown back into position I.

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**Cal. 774 – 715Li**
- Battery type: 362 / SR721SW

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**Cal. 775**
- Battery type: 364 / SR621SW

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**Cal. 704 – 1005**
- Battery type: 371 / SR920SW

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**Cal. 705 – 1006**
- Battery type: 373 / SR916SW

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**Cal. 784 – 1009**
- Battery type: 341 / SR714SW

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**Cal. 785**
- Battery type: 381 / SR1120SW

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**Cal. 714 – 1016**
- Battery type: 341 / SR714SW

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**Cal. 715 – 1019**
- Battery type: 381 / SR1120SW

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**Cal. 6003.D & 6004.D**
- Blocking time for the quick-change day correction is from approx. 9.30 pm and midnight.
- Pull the crown out to position II (watch still running).
- Turn the crown until the current date appears.
- Push the crown back into position I.

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**Cal. 6003.D**
- Battery type: 371 / SR920SW

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**Cal. 6004.D**
- Battery type: 373 / SR916SW

---

**Cal. 6003.B**
- Battery type: 381 / SR1120SW

---

**Cal. 6004.B**
- Battery type: 341 / SR714SW

---

**Cal. 6003.B**
- Battery type: 381 / SR1120SW

---

**Cal. 6004.B**
- Battery type: 341 / SR714SW

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### Setting the Time

**Pos. I** Position of rest (watch running)

**Pos. II** Quick-change correction for date

The date can also be changed during the day-changing phase between approx. 8.00 pm and midnight.

- Pull the crown out to position II (watch still running).
- Turn the crown until the current date appears.
- Push the crown back into position I.

**Pos. III** Setting the time

- Pull the crown out to position III (watch stopped).
- Turn the crown, until the current time is displayed (remember the 24-hour cycle).
- Push the crown back into position I.