

Caliber 509 – 10½"



Product Specifications

Analog quartz movement

Line	powertech
Caliber	509
Size	10½"
Version Swiss Made	1 Jewels / nickel plated
Version Swiss Parts	1 Jewels / nickel plated
Standard battery life	45 months
Standard hand fitting height	1

Features

- Repairable metal watch movement
- Power saving mechanism with pulled out stem:
Reduction of consumption approximately 70%
- Interchangeability: All versions 10½" with same
movement height 3.00 mm and stem height 1.50 mm
- Very powerful stepping motor
- Big date with quick change

Functions

- Big date without direct change from 31–01
- 3 hands

Quartz Movements

Classic Functions

RONDA powertech

Caliber 509 – 10½"

Technical Specifications

Diameter Total	23.90 mm
Case fitting	23.30 mm
Movement height	3.00 mm
Height over standard battery	3.25 mm
Movement rest	0.80 mm
Height over stem	1.50 mm
Length of stem travel	1.00 mm
Stem thread	0.90 mm
Useful torque second – typical	11 µNm
Useful torque minute – typical	550 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. 371
Standard battery life	45 months
Battery voltage	1.5 V
Current consumption – typical	1.28 µA (Date Mechanism not in Gear)
Current consumption – maximum	1.85 µA (Date Mechanism not in Gear)

Watch production

[Drawing Casing ring \(standard, PDF\)](#)
[Drawing Dial \(stem 3h, calendar 3h, PDF\)](#)
[Drawing Dial \(stem 3h, calendar 4h, PDF\)](#)
[Drawing Dial \(stem 3h, calendar 6h, PDF\)](#)
[Drawing Dial \(stem 12h, calendar 3h, PDF\)](#)
[Drawing Dial \(stem 6h, calendar 3h, PDF\)](#)
[Drawing Hand fitting \(Zeigerwerkhöhe 1-2, PDF\)](#)
[Drawing Hand fitting \(hand height 6, PDF\)](#)
[Drawing Stem](#)

User's manual

[User's manual \(PDF\)](#)

Watch repairs

[Technical instruction \(PDF\)](#)