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# Anniversary Clock Identification

by  
Mervyn Passmore

Anniversary Clock Identification by Mervyn Passmore contains information, data and images on the majority of mass-produced Anniversary Clocks manufactured during the last 100 years.

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ISBN 978-0-907109-04-4

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Manufacturer:

**Kieninger & Obergfell**

Model:

**K&O Miniature**

**44mm x 70mm x 23mm**

Backplate information:

**May have:**

**Kundo**

**Kieninger & Obergfell**

**Made in West Germany**

**No (0) jewels, Unadjusted.**

Movement ID code: **KO-MIN**

Notes:

Not to be confused with the midget movement that had the same plate size but had a rectangular cutout at the bottom. If the suspension guard has two upper screws (or if missing, screw holes), it is an early model.



*The early and somewhat confusing KO logo.*



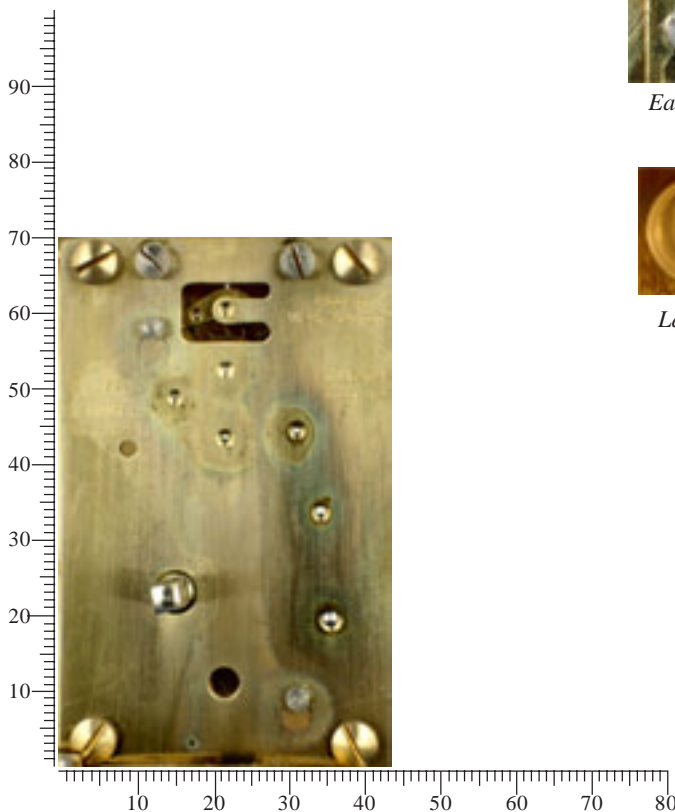
*The later Kundo logo.*



*Early guard with two upper screws*



*Later guard with one upper screw*



# 11-16 Kieninger

**K&O Miniature**  
44 x 70 x 23mm

## Notes

The locking mechanism on miniature movements changed during production. Very early models had a fixed pin holding the bob in place, but these were soon replaced with split pins and finally loose pins held in by a shaped washer as the design of the locking mechanism evolved.

Replacement units are normally supplied with fixed pins. You will have to push out the pin and enlarge the hole to reuse the loose pin.

## Rapid Recognition Tips

Only this movement has plates 44mm x 70mm with no cutout at the bottom and a locking device on the platform as illustrated.

The platform that supports the movement is normally 75mm above the base.

## Data

Movement ID Code ..... **KO-MIN**  
Plate shape ..... **Rectangular**  
Plate width ..... **44mm**  
Plate height ..... **70mm**  
Gap between plates ..... **23mm**  
Escapement type ..... **Dead beat**  
Original key size ..... **3.50mm**  
Winding side ..... **Left**  
Pivot adjuster ..... **Adjustable arm**  
Locking device: ..... **Under the platform**  
Pendulum type/s ..... **4-ball**  
Mainspring barrel ..... **17mm x 34mm**  
Replacement wire ..... **No. 6 (Horolovar™ 0.0023"/0.058mm)**  
Replacement unit ..... **KO-MIN (Horolovar™ 5E)**  
Jig settings ..... **80mm, 83mm**  
Mainspring ..... **14 x 0.35 x 30mm (815mm)**  
Beats per minute ..... **10**  
Bob weight ..... **158g.**



*To prevent the locking lever moving during shipping, a split pin was inserted vertically through the hole on the left of the platform.*



*The Kundo locking device, used on all miniature and midget movements*

*M&P part numbers,  
not for final publication:*

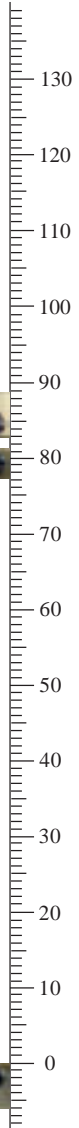
**Suspension wire: 0401 002315**

**Suspension unit 0679 000505**

**Mainspring: 0607 143015**

**Key: 0333 035014**

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Examples of clocks fitted with the Kieninger & Obergfell miniature movement

