

# *Comparisons*

Mori Nizaemon Telescopes



## *Mori Nizaemon Comparison*

- Mori Nizaemon Masatomi

森仁左衛門正富

- Mori Nizaemon Masakatsu

森仁左衛門正勝

**Mori Nizaemon Masatomi Telescope**  
**WOLF TELESCOPES ID#HRA28**



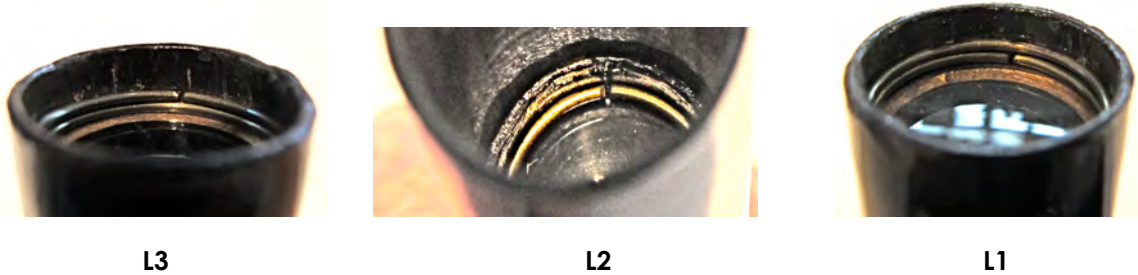
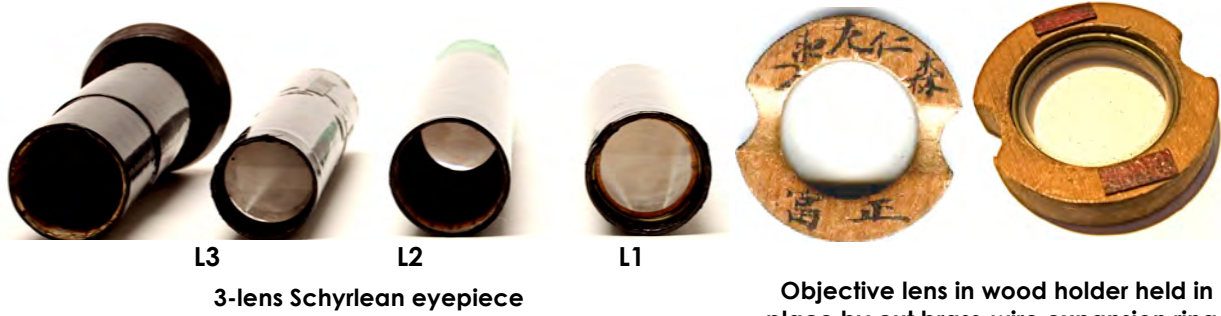
91-mm Mori Nizaemon Masakatu refracting telescope, c. 1717. Telescope owned by Ginrei Restaurant located at the Nagasaki Museum of History and Culture, Nagasaki, Japan.  
Photo: Courtesy of Prof. Tsuko Nakamura who took the original photo.



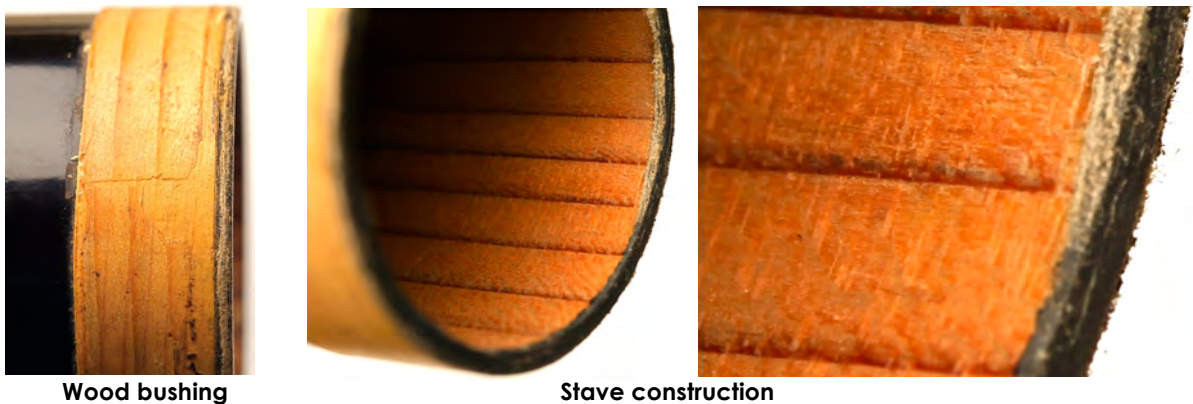
**17-mm Mori Nizaemon Masatomi refracting telescope, c. 1690-1840? (Wolf Collection HRA28)**

Mori Nizaemon Masatomi Telescope  
WOLF TELESCOPES ID#HRA28

Some details of construction



All three eyepiece lenses are held in position by two brass-wire expansion rings within the parchment tubes.



Stave construction of the main tube and 3-draw tubes is suggestive of an early origin perhaps late 17th century?

**Mori Nizaemon Masatomi Telescope  
WOLF TELESCOPES ID#HRA28**

**Comparisons with 78mm Mori Nizaemon Masakatsu Telescope, Kobe City Museum**

**This telescope is owned by Kobe City Museum.**

Photos of this telescope courtesy of Prof. Tsuko Nakamura, Japan, who also took the photographs.

**The Masatomi photos are enlarged relative to actual size comparison  
with Masakatsu telescope which is a much larger telescope**



**Masatomi: Eyepiece lenses held  
by 2 brass wire expansion rings**



**Masakatsu: Eyepiece lenses held by  
twisted two-wire brass expansion ring**



**Masatomi  
Hand brush-stroked signature**



**Masakatsu  
stamped signature**

**Mori Nizaemon Masatomi Telescope  
WOLF TELESCOPES ID#HRA28**

**Comparisons with 91mm Mori Nizaemon Masakatsu Telescope**

**This telescope is owned by Ginrei Restaurant located  
at the Nagasaki Museum of History and Culture, Nagasaki, Japan.**

*Photos of this telescope are presented here and in the following page courtesy  
of Prof. Tsuko Nakamura, Japan, who also took the photographs.*

**The Masatomi photos are enlarged relative to actual size comparison  
with Masakatsu telescope which is a much larger telescope**



**Stave construction of tubes**

**Masatomi**



**Non-stave construction of tubes**

**Masakatsu**

Masatomi Telescope  
WOLF TELESCOPES ID#HRA28

[Similarities with Mori Nizaemon Masakatsu Telescope, Ginrei Restaurant, Nagasaki]



Masakatsu (mid-tube decoration)

Same main pattern, Botan-Karakusa.  
Same patterns within 2 of 3 bands



Same number of rings  
within a 3-band decoration

3

2

2

3



Masatomi (end of tube decoration)

