

***Micrasterias pinnatifida* Ralfs, 1848**

Most likely ID: n.a.

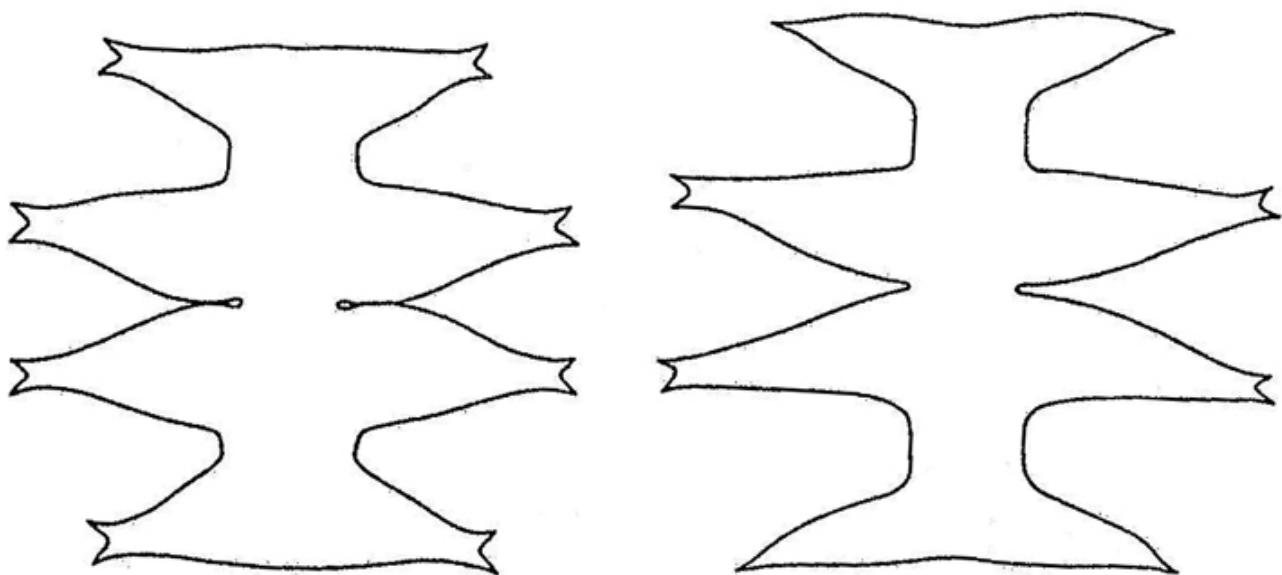
Synonym: n.a.

Sampling location: Determoor (Austria), [Schwemmoor \(Austria\)](#)

Phylogenetic tree: [*Micrasterias pinnatifida*](#)

Diagnosis:

- outline broadly oval
- length 40–80 µm, width 37-90 µm
- apices flat or slightly convex
- semicells 3-lobed, with the 2 interlobular incisions
- lobes projecting horizontally
- walls minutely punctate



after West

Micrasterias pinnatifida

I found *Micrasterias pinnatifida* in 1996 in the Determoor (Austria) and a second

time in 2025 in the [Schwemm Moor \(Austria\)](#). In the samples from the [Schwemm Moor](#), *Micrasterias pinnatifida* occurred quite frequently. The specimens shown below come from the [Schwemm Moor](#).

Micrasterias pinnatifida is notable for its small size and comparatively simple segmentation of the lobes. Each semi-cell is three-lobed. The lobes each bear a pair of short spines at their ends. The chloroplasts contains “several” pyrenoids each (Förster, 1982). In my population there were mostly 4 pyrenoids per semi-cell.

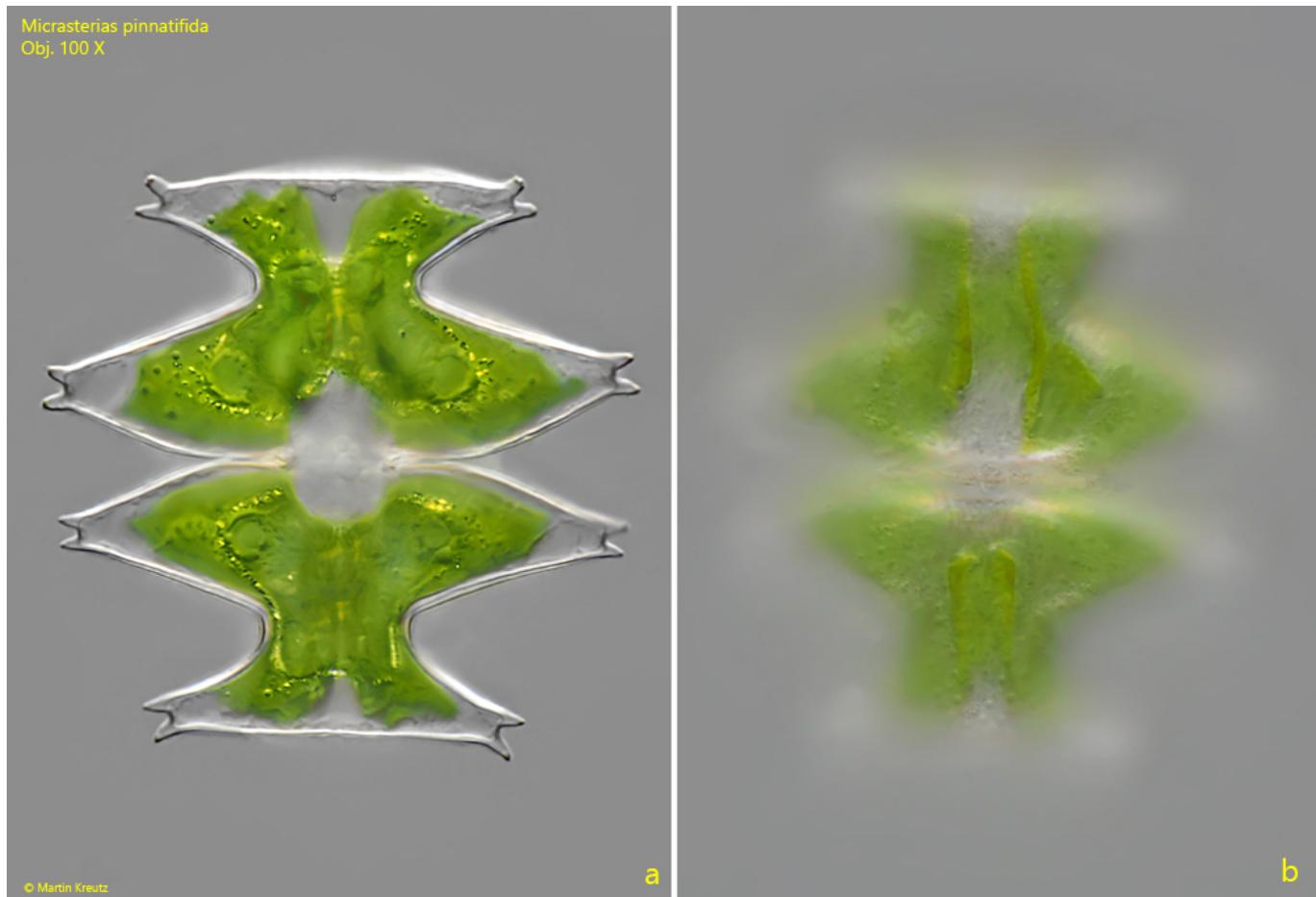


Fig. 1 a-b: *Micrasterias pinnatifida*. L = 58 µm. A slightly squashed specimen in DIC. Obj. 100 X.

Micrasterias pinnatifida
Obj. 60 X

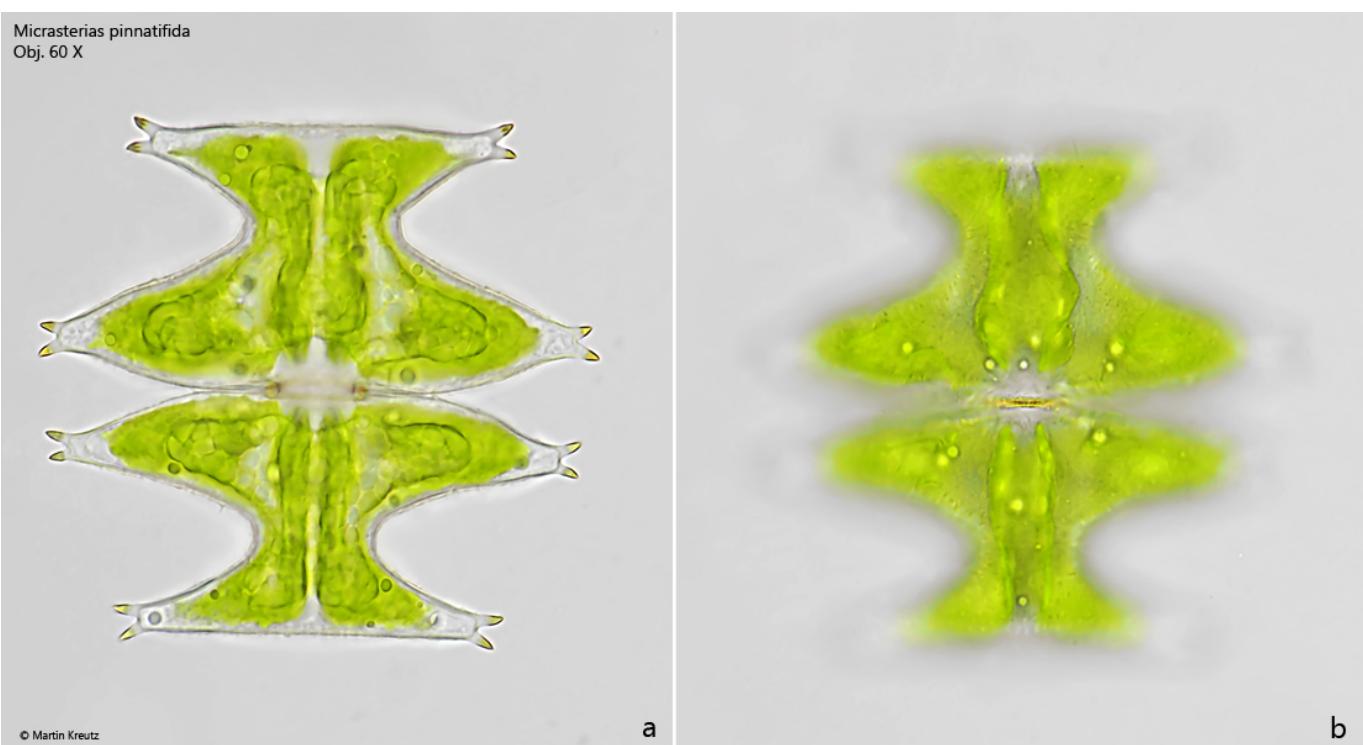


Fig. 2 a-b: *Micrasterias pinnatifida*. L = 76 μ m. A second specimen in brightfield illumination. Obj. 60 X.