

Coleps elongatus

(Ehrenberg, 1830) Kahl, 1930

Most likely ID: n.a.

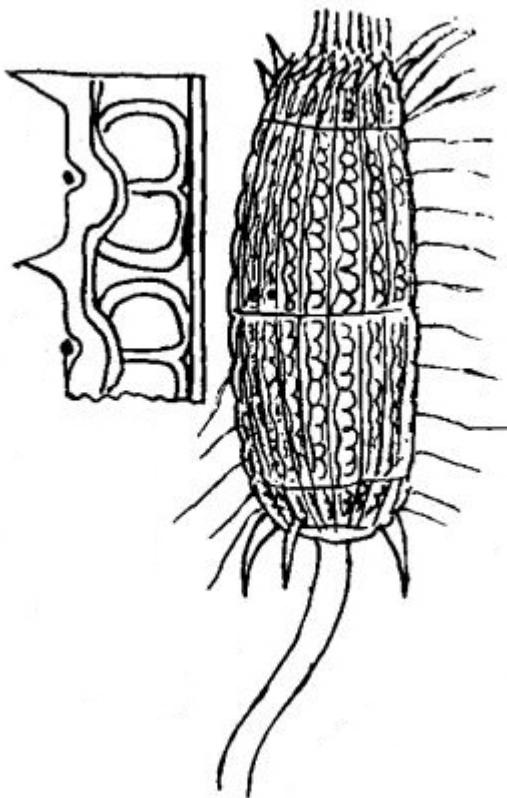
Synonym: n.a.

Sampling location: [Purren pond](#)

Phylogenetic tree: [*Coleps elongatus*](#)

Diagnosis:

- length 65–80 µm
- cell slender barrel-shaped to almost cylindrical
- two caudal cilia
- anterior end with two teeth
- uniform ciliation
- 14–17 longitudinal rows of plates
- “windows” in armour pretzel-shaped
- one spherical macronucleus
- apical mouth opening with basket of pharyngeal trichites



after Kahl

Coleps elongatus

So far I have been able to detect *Coleps elongatus* only in the [Purren pond](#). Possibly I have overlooked the *Coleps* species in the samples from my other localities, because a safe assignment is possible only on the basis of the 2 caudal cilia and the form and arrangement of the “windows” in the armour. However, the species is conspicuous in its slender shape even at low magnification. The “windows” of *Coleps elongatus* are pretzel-shaped, like in [*Coleps hirtus*](#). However, *Coleps elongatus* has 5 “windows” in anterior main plate and 4 in the posterior main plate (s. fig. 3), while [*Coleps hirtus*](#) has only 4 “windows” in both main plates.

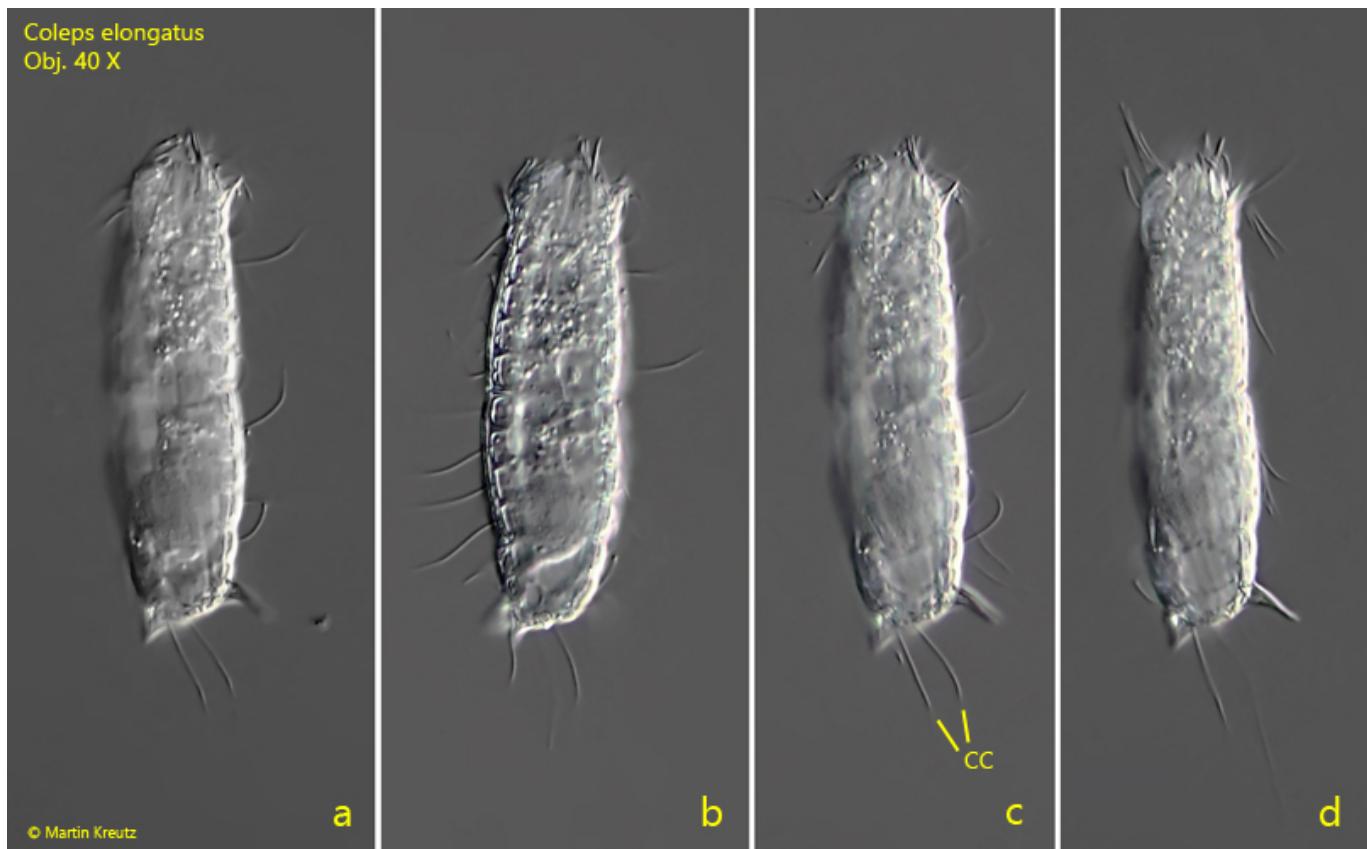


Fig. 1 a-d: *Coleps elongatus*. L = 65 μ m. A freely swimming specimen. Note the two caudal cilia (CC). Obj. 40 X.

Coleps elongatus
Obj. 100 X



Fig. 2 a-c: *Coleps elongatus*. L = 65 μ m. The slightly squashed specimen shown in fig. 1 a-d. Obj. 100 X.

Coleps elongatus
Obj. 100 X

10 µm

1
2
3
4
5

1
2
3
4

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Fig. 3: *Coleps elongatus*. A strongly squashed specimen for visualisation of the pretzel-shaped “windows”. In the anterior main plate 5 “windows” are arranged in a row (1-5) and in the posterior main plate 4 “windows” (1-4). Obj. 100 X.