

The genus *Tomellana*
(Mollusca: Gastropoda:
Clavatulidae)
in West Africa

History:

- William **Swainson** (1840): introduction of the genus *Tomella*:
'Shell fusiform, smooth;; inner lip with a thick callosity at the top; the slit short and wide.'
- systematic treatment of CLAVATULIDAE very controversial in literature;
- **Weinkauff** (1875-77) avoids a classification of the 'PLEUROTOMIDAE': all species, now known as *Tomellana*, are classified as '*Clavatula*';
- **Tryon** (1884): groups the genera *Clavatula* (with the subgenera *Perrona* and *Clionella*), *Pusionella* and *Surcula* in the subfamily *Clavatulinae*; no distinction between *Tomella* and *Pusionella*;

- **P. Fischer** (1887): *Pusionella* and *Surcula* become independent taxa;
- **Cossmann** (1896) moves *Pusionella* to the family TEREBRIDAE;
- **Strebel** (1912): *Clavatula*, *Perrona* and *Tomella* are similar and belong the same group, but *Perrona* and *Tomella* had to be recognised as separate genera or subgenera ('Gruppe'); new description for the genera *Tomella* and *Perrona*.

Family CLAVATULIDAE

Genus *Tomellana* Wenz, 1943

Typetaxon:

Clavatula lineata Lamarck, 1816

- **Bouchet et al.** (2011):

Tomella is a subgenus of *Perrona* Schumacher, 1817;

- the genus *Tomella* W. Swainson, 1840 is now considered as a junior homonym of *Tomella* Robineau-Desvoidy, 1830 [Diptera] and it is substituted by *Tomellana* Wenz, 1943;

- **WoRMS** (August 2015): *Tomellana* is a separate genus in the family CLAVATULIDAE;

Direct child taxa:

Tomellana hupferi (Strebel, 1912)

Tomellana hupferi var. *fusca* (Strebel, 1912)

Tomellana leschkei (Strebel, 1912)

Tomellana lineata (Lamarck, 1816)

Tomellana lineata var. *gracilis* (Strebel, 1912)

Tomellana pfefferi (Strebel, 1912) =

? *Fusiturris pfefferi* (Strebel, 1912)

***Tomellana lineata* (Lamarck, 1816)**

Measurements: 20-35 mm

Habitat: in sand or muddy sand. Depth: 2-40 m

Geographic range: from Ivory Coast, Ghana, Nigeria, Cameroon, Gabon, Congo to Angola

Tomellana lineata (Lamarck, 1816)



Cacuaco, N of Luanda, Angola –
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992



Cacuaco, north of Luanda, Angola -
dredged at -18 m in muddy sand - 1992

Tomellana lineata* var. *gracilis
(Strebel, 1912)

Measurements: 20-30 mm

Habitat: in muddy or sandy bottom. Depth: 7-50 m

Geographic range: from Senegal, Ivory Coast, Ghana, Benin, Gabon, Congo to Angola

Tomellana lineata var. *gracilis*
(Strebel, 1912)



Barra do Bengo, Angola –
trawled at -50 m – 1982



Barra do Bengo, Angola –
trawled at -50 m – 1982



Barra do Bengo, Angola –
trawled at -50 m – 1982



Pointe Noire, Congo Brazzaville
dredged at -6 m – December 1980



Trawled off Abidjan, Ivory Coast



Trawled off Abidjan, Ivory Coast

***Tomellana hupferi* (Strebel, 1912)**

Measurements: 20-26 mm

Habitat: in soft mud. Depth: 10-20 m. Typically covered with *Bryozoa*

Geographic range: from Senegal, Togo, Benin, Nigeria to Cameroon

Tomellana hupferi (Strebel, 1912)



off Lagos, Nigeria
05°59' N/ 04°36' E
dredged at a depth of 27 m
in mud
'Atlantide' Expedition,
Station 110
16 February 1946

Tomellana hupferi (Strebel, 1912)



Tomellana hupferi (Strebel, 1912)



Tomellana hupferi (Strebel, 1912)



Tomellana hupferi* var. *fusca
(Strebel, 1912)

Measurements: 21-28 mm

Habitat: in muddy sand. Depth: 6-20 m

Geographic range: from Togo, Benin to Cameroon

Tomellana hupferi var. *fusca*
(Strebel, 1912)
(= *Fusiturris kribiensis* Bozzetti, 2015)

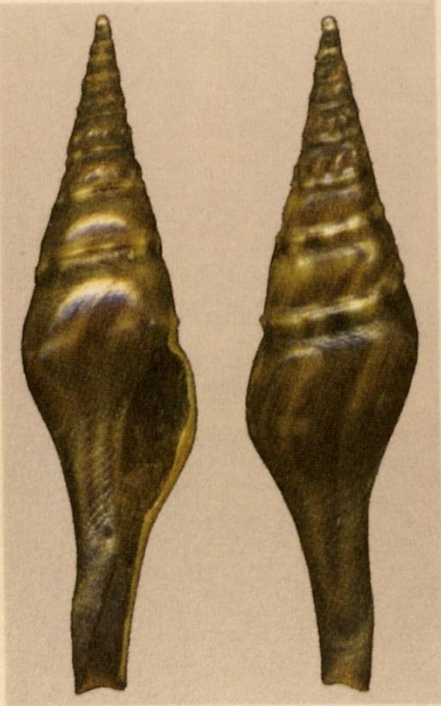


Victoria, Bota, Cameroon
dredged at a depth of 6 m,
in muddy sand -
4 December 1985

Tomellana hupferi var. *fusca*
(Strebel, 1912)



Fusiturris kribiensis Bozzetti, 2015



Fusiturris kribiensis
Olotipo

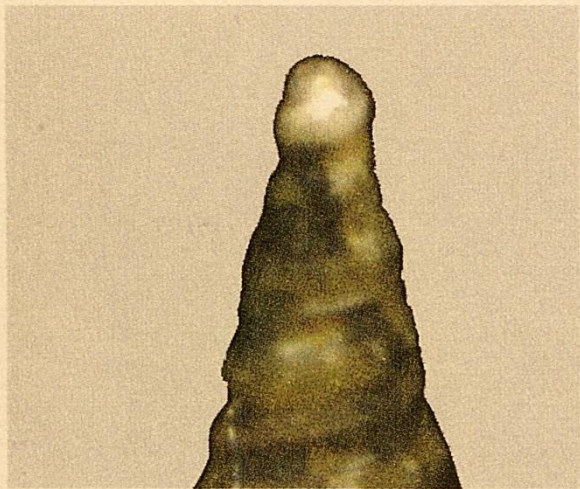


Fusiturris kribiensis
Paratipo 1



Fusiturris kribiensis
Paratipo 2

Fusiturris kribiensis Bozzetti, 2015



Fusiturris kribiensis
Olotipo, protoconca



Fusiturris kribiensis
Paratipo 1, seno labiale

***Tomellana leschkei* (Strebel, 1912)**

Measurements: 10-24 mm

Habitat: in sand of tidal zone

Geographic range: from Ghana, Gabon to Angola

Tomellana leschkei (Strebel, 1912)



Pointe Idolo, Cap Esterias,
Gabon -
on rocks at low tide

Tomellana leschkei (Strebel, 1912)



Praia Santiago, Prov. Bengo,
Angola - in sand -
dived at a depth of 2 m
1982

Tomellana leschkei (Strebel, 1912)



Praia Santiago, Prov. Bengo, Angola - in sand -
dived at a depth of 2 m -

1982

***'Tomellana' pfefferi* (Strebel, 1912)
= ? *Fusiturris pfefferi* (Strebel, 1912)**

Measurements: 26 mm

Habitat: in soft mud. Depth: 11-29 m

Geographic range: from Benin to Nigeria

Characteristics:

- very slender fusiform shell, rather glossy;
- outline of last whorl slightly different, constricted from the middle to the base;
- subsutural cord running as a sharp ridge;
- spiral tiny striae in the subsutural zone and below the last whorl;
- axial folds prominently present in the suprasutural area, especially in the body whorl;
- absence of a parietal callus

'Tomellana' pfefferi (Strebel, 1912) =
? *Fusiturris pfefferi* (Strebel, 1912)



off Lagos, Nigeria
05°34' N/ 04°50' E -
dredged at a depth of 2 m -
in mud



'Tomellana' pfefferi (Strebel, 1912) =
? *Fusiturris pfefferi* (Strebel, 1912)

'Atlantide' Expedition, St. 100 – 06°06' N/ 04°29' E,
Nigeria – dredged at -29 m – in soft mud –
15 February 1946



'Tomellana' pfefferi (Strebel, 1912) =
? *Fusiturris pfefferi* (Strebel, 1912)

'Atlantide' Expedition, St. 102 - 05°34' N/ 04°50' E,
Nigeria - dredged at 29 m - in soft mud -
15 February 1946