

# *Alatotrochus* Cairns, 1994, p. 68

**Stephen D. Cairns**

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## Classification

**Family:** Turbinoliidae Milne Edwards and Haime, 1848

## Type Species

*Platytrachus rubescens* Moseley, 1876, p. 553, no fig. by Original Designation.

**Syntype:** NHM 1880.11.25.163 (Dry Preserved: Verified).

**Type Locality:** Recent: Banda Sea, 236 m (Challenger-192)

**Remarks:** The type species is well described by Cairns (1994). Four syntypes.

## Diagnosis

Corallum cuneiform, with rounded base and transversely ridged, alate edge crests; relatively large (up to 20 mm in GCD); theca imperforate; costae granular, independent in origin, numbering twice that of septa; four cycles of seta; pali absent; columella linear-papillose.

## Description

None Given

## Comparisons

Differs from *Pleotrochus* in having edge crests and lacking pali.

## Remarks

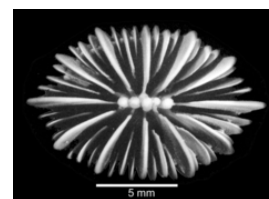
This genus and family was monographed by Cairns (1997), which includes a phylogenetic analysis based on morphology.

## Distribution

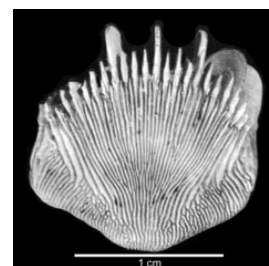
East Asia; Pleistocene

Western Pacific; Recent

**Remarks:** Depth 180-751 m, Figured in Cairns 1997: fig 1a, 4a

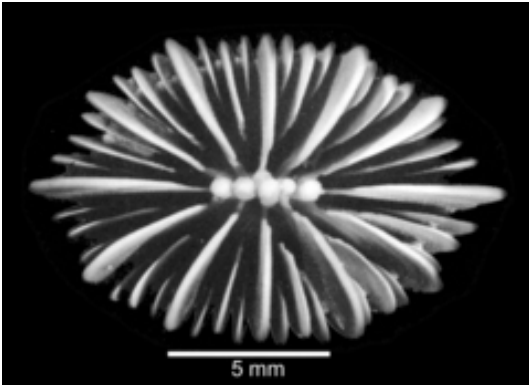


Calicular view of corallum



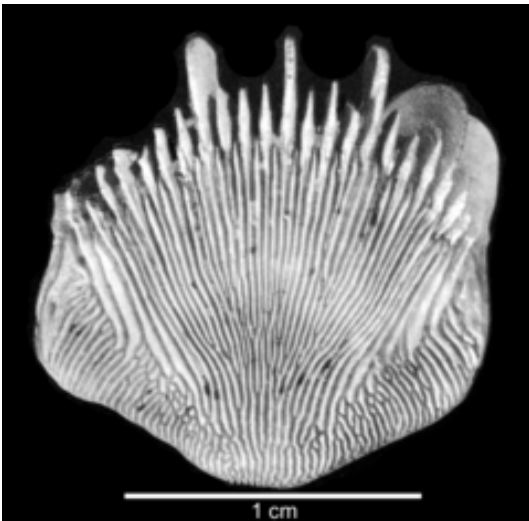
Lateral view of corallum

## Contributed Images



**Taxon/Term Name:** Alatotrochus  
**Name of Object:** Alatotrochus rubescens  
**Caption:** Calicular view of corallum  
**Rank:** 1  
**Author:** Cairns (1997): Plate 4, Figure a  
**Copyright:** None  
**Orientation:** Calicular view  
**Preparation:** Skeleton Surface  
**Image Kind:** Photograph  
**Type Kind:** Not a Type  
**Locality:** Bungo Strait, Japan, R/V Tansei Maru  
Station KT9015-BS2, 32 43.38N 132 06.52E,  
193-199 meters, 01 Nov. 1990  
**Specimen:** USNM 92776

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**Taxon/Term Name:** Alatotrochus  
**Name of Object:** Alatotrochus rubescens  
**Caption:** Lateral view of corallum  
**Rank:** 2  
**Author:** Cairns (1997): Plate 1, Figure a  
**Copyright:** None  
**Orientation:** Lateral view  
**Preparation:** Skeleton Surface  
**Image Kind:** Photograph  
**Type Kind:** Not a Type  
**Locality:** Bungo Strait, Japan, R/V Tansei Maru  
Station KT9015-BS2, 32 43.38N 132 06.52E,  
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