Synonyms
- Calanus arcuicornis Dana, 1849
- Calanus mastigophorus Claus, 1863
- Clausocalanus mastigophorus (Claus, 1866)
- Eucalanus mastigophorus (Claus, 1866)

Size
- Female: 1.15-1.62 mm

Genus notes
- Small to medium sized copepods
- Female rostrum bifurcated
- Male rostrum reduced to a knob
- Anterior cephalosome & posterior prosome segments are rounded
- Cephalosome fused to pedigerous somite 1
- Female P5 is uniramous, symmetrical and 3-segmented
- Male P5 uniramous, legs of unequal length, longer leg nearly always on left, 5-segmented with segment 5 short & attached sub-apically to the previous segment, shorter leg 3-segmented, less than half of the length of segment 1 of the other leg
- Female urosome 4-segmented
- Can be confused with Paracalanus but P5 is a different form

Phylum: Arthropoda
Order: Calanoida
Family: Clausocalanidae

Compiled: C. H. Davies & A. S. Slotwinski 2012
Verified: K. M. Swadling 2013

Frost & Fleminger (1968); Razouls (1972)

CSIRO AusCPR

North Stradbroke Island, Queensland, Australia

Prepared specimen

Epipelagic inshore coastal and oceanic distribution. World distribution: widespread in tropical and subtropical waters of the Pacific, Indian and Atlantic Oceans.
**Clausocalanus arcuicornis**
(Dana, 1849)

**Phylum**  
Arthropoda

**Order**  
Calanoida

**Family**  
Clausocalanidae

**Size**
Male: 0.97-1.17 mm

**Male**
- Rostrum in lateral view knoblike and protruding ventrally
- P5 right, short, 3 segmented
- P5 left leg is longer than urosome, robust, with long, slender, straight setae distally
- Prosoma urosome ratio 1.9—2.51:1
- 2nd urosome somite as long as the following 2 somites together

**Ecology**
- Tropical-subtropical, circumglobal
- Can be transported into temperate regions with warm currents
- Most abundant off New South Wales during April and May; 17 – 19º sea surface temperatures
- Carries eggs in a single, fragile sac
- Herbivorous

**Source**
Boltovskoy (1999)
Conway (2003)
Dakin and Colefax (1940)
Razouls et al (2010)
Saiz & Calbert (1999)

(Full reference available at http://www.imas.utas.edu.au/zooplankton/references)

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Frost & Fleminger (1968); Razouls (1972)