

# Millipede Identification



1. ORDER: POLYXENIDA (Bristly Millipedes)

Less than 5mm in length, rows of bristles or hairs in bands down length of body.



FAMILY: Synxenidae

Rows of long hairs along body, pointed posterior end.  
Rare.



FAMILY: Polyxenidae

Rows of short bristles along body, posterior end blunt.  
Common.

2. ORDER: SPIROBOLIDA



SPECIES: *Centrobolus sp.*

Approx 6cm long, body red with red legs and head. Males with distinct pads on last segment of legs. Uncommon.

3. ORDER: SPHAERTHERIIDA (Pill Millipedes)

Able to roll into a complete ball in which head cannot be seen



SPECIES: *Sphaerotherium sp. 1*

Small (less than 2cm long, 6mm wide); brown with black hind margins and black sides on each segment. Common.



SPECIES: *Sphaerotherium sp. 2*

Large (approx 3-3.5cm long, 14mm wide), front of each segment greenish brown, followed by light brown band and with hind margin darker brown or black. Only from 1 site.

4. ORDER: POLYDESMIDA (Keeled Millipedes)

Small (less than 3cm long), 20 segments, no eyes, each segment with a keel on each side, body with flattened appearance in cross section.

FAMILY: Dalodemidae



GENUS: Gnomeskelus

Small (approx 1.5cm long, 2-3mm wide), cream / light brown coloured, slender, keels not especially obvious. Rare.

FAMILY: Gomphodemidae



GENUS: Ulodemus

Larger (usually 2cm or more long, 5mm wide), pale cream / yellowish, broad with flattened appearance, keels well developed. Rare.

5. ORDER: SPIROSTREPTIDA (Juliform Millipedes)

Adults longer than 2cm, more than 30 segments, body round in cross section

FAMILY: Harpagophoridae

Adults 8-10cm long, robust, with a distinct, single large spine on last segment.



SPECIES: Zinophora sabulosa

Approx 6-7cm long, 5mm wide. Colour varied, usually black or brownish, with yellowish along ventral-lateral surface. Common.

5. ORDER SPIROSTREPTIDA (Juliform Millipedes)

Adults longer than 2cm, more than 30 segments, body round in cross section

FAMILY: *Spirostreptidae*

30-70 segments, body robust, no spines on last segment / anal valves.



SPECIES: *Orthoporoides corrugatus*

Approx. 5-7cm long, 4-5mm wide. Black with red head and legs in male, female black with black head and legs. Slightly roughened texture on segments. Common.



SPECIES: *Orthoporoides pontifex*

Approx 6-8cm long, 4.5-5mm wide. Chestnut brown with dark brown-black bands on end of segments, brown / reddish brown head and legs. Only from 2 sites.



GENUS: *Camaricoproctus*

Less than 6cm long, 4mm wide, yellowish-brown, with dark band on hind margin of each segment, yellowish-red or yellow head, legs and anal valves. Only from 2 sites.



SPECIES: *Doratogonus castaneus*

Approx 10-12cm long, 10mm wide, segments dark brown black with lighter hind margin, with brown legs, with lighter bands along legs. Common.



SPECIES: *Doratogonus stephensi*

Approx 15-18cm long, 12-13mm wide segments brown with broad black band along hind margin, yellowish legs. Rare.



SPECIES: *Doratogonus flavifilis*

Approx. 10-12cm long, segments yellow with broad black band on hind margin, legs black. Not yet sampled in current study.

5. ORDER: SPIROSTREPTIDA (Juliform Millipedes)

Adults longer than 2cm, more than 30 segments, body round in cross section

FAMILY: Odontopygidae

More than 60 segments, body slender relative to length. Pair of small spines on anal valves



SPECIES: *Spinotarsus colosseus*

Approx 9-12cm long, 8-8.5mm wide, overall olive green-brown colour, legs brown, each segment with brown band, followed by greyish green band, and hind margin dark brown black. Rare.



SPECIES: *Spinotarsus bullatus*

Smallish (approx 3-5cm long, 2-2.8mm wide), brown with distinct gold stripe down length of body, lateral and ventral surface brown. Common.



SPECIES: *Spinotarsus sp. 1*

Approx 3-4cm long, 2.5mm wide. Head and anal valves yellow, front half of each segment a narrow grayish-green band, followed by yellowish band and hind margin brown. Pale longitudinal strip (brown) along mid-dorsal surface. Sides / ventral surface without banding, and yellowish-brown along length of millipede, legs yellow. Common at Fever Tree site only.



SPECIES: *Spinotarsus sp. 2*

Wide range in sizes - 3-7cm long, 2.5-4.7mm wide, dark brown with a faint lighter stripe down length of body in some specimens, legs yellowish. Rare.



SPECIES: *Spinotarsus sp. 3*

3-5cm long, 2.4-3.0mm wide. Body with grey-brown banded appearance, dark grey-brown band at front of each segment followed by broad lighter band, may be a faint longitudinal brown stripe along length of body. Common.



SPECIES: *Spinotarsus sp. 4*

Small (approx 3-4cm long, 1.5-2mm wide), brown, with very distinct and defined gold stripe along length of body, lateral and ventral surfaces reddish brown / yellowish and forming a distinct lateral stripe along length of body. Common.

5. ORDER: SPIROSTREPTIDA (Juliform Millipedes)

Adults longer than 2cm, more than 30 segments, body round in cross section

FAMILY: Odontopygidae

More than 60 segments, body slender relative to length.  
Pair of small spines on anal valves.



SPECIES: *Spinotarsus sp. 5*

6-7cm long, 4.5mm wide, uniform blackish-brown body with faint longitudinal brown stripe along length of body (mid-dorsal) yellowish legs. Only collected once.



SPECIES: *Spinotarsus sp. 6*

6-8cm long, 4mm wide, reddish brown each segment with narrow dark hind margin, legs reddish brown. Only collected once.

GENUS: Odontopygid Genus ?

Small (3cm long, 1-2mm wide), reddish brown.



SPECIES: *Chaleponchus sp. 1*

Approx 8-9cm long, 5-6mm wide, black with yellow legs. Fairly common.



SPECIES: *Chaleponchus sp. 2*

Approx 7-8cm long, 2-4mm wide, black with yellow legs. Rare.



SPECIES: *Chaleponchus sp. 3*

Approx 7-8cm long, 2-4mm wide, black with reddish-brown legs. Rare.