

**Class Diplopoda de Blainville in Gervais, 1844**  
Family-level Classification (Shelley, 2003)

**Subclass Penicillata Latreille, 1831**

**Order** Polyxenida Verhoeff, 1934

**Superfamily** Polyxenoidea Lucas, 1840

**Family** Hypogexenidae Schubart, 1947

**Family** Lophoproctidae Silvestri, 1897

**Family** Polyxenidae Lucas, 1840

**Superfamily** Synxenoidea Silvestri, 1923

**Family** Synxenidae Silvestri, 1923

**Subclass Chilognatha Latreille, 1802/1803**

**Infraclass Pentazonia Brandt, 1833**

**Superorder** Limacomorpha Pocock, 1894

**Order** Glomeridesmida Cook, 1895

**Family** Glomeridesmidae Latzel, 1884

**Superorder** Oniscomorpha Pocock, 1887

**Order** Glomerida Brandt, 1833

**Family** Doderiidae Silvestri, 1904

**Family** Glomeridae Leach 1815

**Family** Glomeridellidae Cook, 1896b

**Order** Sphaerotheriida Brandt, 1833

**Family** Sphaerotheriidae C.L. Koch, 1847

**Family** Zephroniidae Gray in Jones, 1843

**Infraclass Helminthomorpha Pocock, 1887**

**Subterclass** Colobognatha Brandt, 1834

**Order** Platydesmida Cook, 1895

**Family** Andrognathidae Cope, 1869

**Family** Platydesmidae DeSaussure, 1860

**Order** Polyzoniida Cook, 1895

**Family** Hirudisomatidae Silvestri, 1896

**Family** Polyzoniidae Newport, 1844

**Family** Siphonotidae Cook, 1895

**Order** Siphonocryptida Cook, 1895

**Family** Siphonocryptidae Pocock, 1894

**Order** Siphonophorida Hoffman, 1980

**Family** Siphonophoridae Newport, 1844

**Family** Siphonorhinidae Cook, 1895

**Subterclass** Eugnatha Attems, 1898

**Superorder** Juliformia Attems, 1926

**Order** Julida Brandt

**Superfamily** Blaniuloidea C. L. Koch, 1847

**Family** Blaniulidae C. L. Koch, 1847

**Family** Galliobatidae Brolemann, 1921

- Family Okeanobatidae Verhoeff, 1942
- Family Zosteractinidae Loomis
- Superfamily Juloidea Leach, 1814
  - Family Julidae Leach, 1814
  - Family Rhopaloiulidae Attems, 1926
  - Family Trichoblaniulidae Verhoeff, 1911
  - Family Trichonemasomatidae Enghoff, 1991
- Superfamily Nemasomatoidea Bollman, 1893
  - Family Cheljudiae Enghoff, 1991
  - Family Nemasomatidae Bollman, 1893
  - Family Pseudonemasomatidae Enghoff, 1991
  - Family Telsonemasomatidae Enghoff, 1991
- Superfamily Paeromopodoidea Cook, 1895
  - Family Aprosphylosomatidae Hoffman, 1961
  - Family Paeromopidae Cook, 1895
- Superfamily Parajuloidea Bollman, 1893
  - Family Mongoliulidae Pocock, 1903
  - Family Parajulidae Bollman, 1893
- Order Spirobolida Cook, 1895
  - Suborder Spirobolidea Cook, 1895
    - Family Allopocockiidae Keeton, 1960
    - Family Atopetholidae Chamberlin, 1918a
    - Family Floridobolidae Keeton, 1959
    - Family Hoffmanobolidae Shelley, 2001
    - Family Messicobolidae Loomis, 1968
    - Family Pseudospirobolellidae Brölemann, 1913
    - Family Rhinocricidae Brölemann, 1913
    - Family Spirobolellidae Brölemann, 1913
    - Family Spirobolidae Bollman, 1893
    - Family Typhlobolellidae Hoffman, 1969
  - Suborder Trigoniulidea Brölemann,
    - Family Pachybolidae Cook, 1897
    - Family Trigoniulidae Attems, 1909
- Order Spirostreptida Brandt, 1833
  - Suborder Cambalidea Cook, 1895
    - Family Cambalidae Bollman, 1893
    - Family Cambalopsidae Cook, 1895
    - Family Glyphiulidae Chamberlin, 1922
    - Family Pericambalidae Silvestri, 1909
  - Suborder Epinannolenidea Chamberlin, 1922
    - Family Choctellidae Chamberlin and Hoffman, 1950
    - Family Iulomorphidae Verhoeff, 1924
    - Family Pseudonannolenidae Silvestri, 1895
  - Suborder Spirostreptidea Brandt, 1833

- Superfamily** Odontopygoidea Attems, 1909
  - Family** Atopogestidae Hoffman, 1980
  - Family** Odontopygidae Attems, 1909
- Superfamily** Spirostreptoidea Pocock, 1894
  - Family** Adiaphorostreptidae Hoffman, 1977
  - Family** Harpagophoridae Attems, 1909
  - Family** Spirostreptidae Pocock, 1894
- Superorder** Nematophora Verhoeff, 1913
  - Order** Callipodida Pocock, 1894
    - Suborder** Callipodidea Pocock, 1894
      - Family** Callipodidae Bollman, 1893
    - Suborder** Schizopetalidea Hoffman, 1973
      - Family** Abacionidae Shelley, 1979
      - Family** Caspiopetalidae Lohmander, 1931
      - Family** Dorypetalidae Verhoeff, 1900
      - Family** Paracortinidae Wang and Zhang, 1993
      - Family** Schizopetalidae Verhoeff, 1909
    - Suborder** Sinocallipodidea Shear, 2000
      - Family** Sinocallipodidae Zhang, 1993
  - Order** Chordeumatida Pocock, 1894
    - Suborder** Chordeumatidea Pocock, 1894
      - Superfamily** Chordeumatoidea C. L. Koch, 1847
        - Family** Chordeumatidae C. L. Koch, 1847
        - ?**Family** Speophilosomatidae Takakuwa, 1949
      - Suborder** Craspedosomatidea Cook, 1895
        - Superfamily** Anthroleucosomatoidea Verhoeff, 1899
          - Family** Anthroleucosomatidae Verhoeff, 1899
          - Family** Haasiidae Hoffman, 1980
          - Family** Origmatogonidae Verhoeff, 1914
          - Family** Vandeumatidae Mauriès, 1970
        - Superfamily** Brannerioidea Cook, 1896a
          - Family** Brachychaeteumatidae Verhoeff, 1911
          - Family** Branneriidae Cook, 1896a
          - Family** Chamaesomatidae Verhoeff, 1913
          - Family** Golovatchiidae Shear, 1992
          - Family** Heterolatzeliidae Verhoeff, 1899
          - Family** Kashmireumatidae Mauriès, 1982
          - Family** Macrochaeteumatidae Verhoeff, 1914
          - Family** Microlympiidae Shear and Leonard, 2003
          - Family** Niponiosomatidae Verhoeff, 1941
          - Family** Tinguipidae Loomis, 1966
          - Family** Trachygonidae Cook, 1896
        - Superfamily** Cleidogonoidea Cook, 1896
          - Family** Biokoviellidae Mr\_i , 1992

- Family Cleidogonidae Cook, 1896
- Family Entomobielziidae Verhoeff, 1899
- Family Lusitaniosomatidae Schubart, 1953
- Family Opisthocheiridae Ribaut, 1913
- Family Trichopetalidae Verhoeff, 1914
- Superfamily** Craspedosomatoidea Gray in Jones, 1843
  - Family Attensiidae Verhoeff, 1899
  - Family Craspedosomatidae Gray in Jones, 1843
  - Family Haplobainosomatidae Verhoeff, 1909
- Superfamily** Haaseoidea Attems, 1899
  - Family Haaseidae Attems, 1899
- Superfamily** Neoatractosomatoidea Verhoeff, 1901
  - Family Altajellidae Mikhaljova and Golovatch, 2000
  - Family Faginidae Attems, 1926
  - Family Hoffmaneumatidae Golovatch, 1978
  - Family Mastigophorophyllidae Verhoeff, 1899
  - Family Neoatractosomatidae Verhoeff, 1901
- Superfamily** Verhoeffioidea Verhoeff, 1899
  - Family Verhoeffiidae Verhoeff, 1899
- Suborder** Heterochordeumatidea Shear, 2000
  - Superfamily** Conotyloidea Cook, 1896
    - Family Adritylidae Shear, 1971
    - Family Conotylidae Cook, 1896
  - Superfamily** Diplomaragnoidea Attems, 1907
    - Family Diplomaragnidae Attems, 1907
  - Superfamily** Heterochordeumatidea Pocock, 1894
    - Family Eudigonidae Verhoeff, 1914
    - Family Heterochordeumatidae Pocock, 1894
    - Family Megalotylidae Golovatch, 1978
    - Family Metopidiotrichidae Attems, 1907
    - ?Family Peterjohnsiidae Mauriès, 1987
  - Superfamily** Pygmaeosomatoidea Carl, 1941
    - Family Lankasomatidae Mauriès, 1978
    - Family Pygmaeosomatidae Carl, 1941
- Suborder** Striariidea Cook, 1896
  - Superfamily** Striarioidea Bollman, 1893
    - Family Apterouridae Loomis, 1966
    - Family Rhiscosomididae Silvestri, 1909
    - Family Striariidae Bollman, 1893
- Order** Stemmiulida Cook, 1895
  - Family Stemmiulidae Pocock, 1894a
- Superorder** Merocheta Cook, 1895
  - Order** Polydesmida Pocock, 1887
    - Suborder** Leptodesmidea Brölemann, 1916

- Superfamily** Chelodesmoidea Cook, 1895
  - Family** Chelodesmidae Cook, 1895
- Superfamily** Platyrrhacoidea Pocock, 1895
  - Family** Aphelidesmidae Brölemann, 1916
  - Family** Platyrrhacidae Pocock, 1895
- Superfamily** Rhachodesmoidea Carl, 1903
  - Family** Rhachodesmidae Carl, 1903
  - Family** Tridontomidae Loomis and Hoffman, 1962
- Superfamily** Sphaeriodesmoidea Humbert & DeSaussure, 1869
  - Family** Campodesmidae Cook, 1896
  - Family** Holistophallidae Silvestri, 1909
  - Family** Sphaeriodesmidae Humbert & DeSaussure, 1869
- Superfamily** Xystodesmoidea Cook, 1895
  - Family** Eurymerodesmidae Causey, 1951
  - Family** Euryyuridae Pocock, 1909
  - Family** Gomphodesmidae Cook, 1896
  - Family** Oxydesmidae Cook, 1895
  - Family** Xystodesmidae Cook, 1895
- Suborder** Dalodesmidea Hoffman, 1980
  - Family** Dalodesmidae Cook, 1896
  - Family** Vaalagonopodidae Verhoeff, 1940
- Suborder** Strongylosomatidea Brölemann, 1916
  - Family** Paradoxosomatidae Daday, 1889
- Suborder** Polydesmidea Pocock, 1887
  - Infraorder** Oniscodesmoids Simonsen, 1990
    - Superfamily** Oniscodesmoidea DeSaussure, 1860
      - Family** Dorsoporidae Loomis, 1958
      - Family** Oniscodesmidae DeSaussure, 1860
    - Superfamily** Pyrgodesmoidea Silvestri, 1896
      - Family** Ammodesmidae Cook, 1896
      - Family** Cyrtodesmidae Cook, 1896
      - Family** Pyrgodesmidae Silvestri, 1896
  - Infraorder** Polydesmoids Pocock, 1887
    - Superfamily** Haplodesmoidea Cook, 1895
      - Family** Doratodesmidae Cook, 1896a
      - Family** Haplodesmidae Cook, 1895
    - Superfamily** Opisotretoidea Hoffman, 1980
      - Family** Opisotretidae Hoffman, 1980
    - Superfamily** Polydesmoidea Leach, 1815
      - Family** Cryptodesmidae Karsch, 1880
      - Family** Polydesmidae Leach, 1815
    - Superfamily** Trichopolydesmoidea Verhoeff, 1910
      - Family** Fuhrmannodesmidae Brölemann, 1916
      - Family** Macrosternodesmidae Brölemann, 1916

Family Nearctodesmidae Chamberlin & Hoffman, 1950

Family Trichopolydesmidae Verhoeff, 1910

Helminthomorpha *incertae sedis*

**Order** Siphoniulida Cook, 1895

Family Siphoniulidae Pocock, 1894