



## New synonyms and a new lectotype within the tribe Hyperini\* (Coleoptera: Curculionidae: Hyperinae)

von

Jiří Skuhrovec, Prague\*\*

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### Abstract

*Hypera* (*Boreohypera*) *diversipunctata educta* Tempère, 1972 and *Hypera* (*Boreohypera*) *diversipunctata seigneurici* Tempère, 1984 were identified as new synonyms of *Hypera* (*Boreohypera*) *diversipunctata* (Schrank, 1798). *Donus pusillus* (Petri, 1912) was identified as a new synonym of *Donus rubi* (Krauss, 1900). The lectotype and paralectotype of *Donus pusillus* (Petri, 1912) were designated.

**Key words** Taxonomy, Coleoptera, Curculionidae, Hyperini, new synonyms, lectotype, paralectotype, Palearctic region.

### *Hypera* (*Boreohypera*) *diversipunctata* (Schrank, 1798)

**Original description:** *Curculio diversipunctatus* Schrank, 1798

**Synonym:** = *Curculio elongatus* Paykull, 1792 nec Fabricius, 1775

= *Hypera mutabilis* Germar 1821

= *Hypera seriata* Mannerheim, 1853

= *Hypera* (*Boreohypera*) *diversipunctata educta* Tempère, 1972 **syn. nov.**

= *Hypera* (*Boreohypera*) *diversipunctata seigneurici* Tempère, 1984 **syn. nov.**

The author and some colleagues (especially H. Winkelmann) suggest that the subspecies *Hypera* (*Boreohypera*) *diversipunctata educta* Tempère, 1972 and *Hypera* (*Boreohypera*) *diversipunctata seigneurici* Tempère, 1984 are probably only highly variable compared to *Hypera* (*Boreohypera*) *diversipunctata* (Schrank, 1798) (Skuhrovec 2009). After comparing numerous specimens of this species from several regions, I arrived to the conclusion that these two subspecies are younger synonyms of *Curculio diversipunctatus* Schrank, 1798.

### Synonym

#### = *Hypera* (*Boreohypera*) *diversipunctata educta* Tempère, 1972

**Original description:** *Hypera diversipunctata educta* Tempère, 1972

**Locus Typicus:** Pyrénées centrales, Luchon, Hospice de France (France)

**Length (without rostrum):** 6.1 mm (Holotype).

**Type material. 1 M (Holotype)**, collection Museum National D' Histoire Naturelle in Paris: "PYRÉNÉES CENTRALES / Luchon, Hospice / de France / 6-61 G. TEMPÈRE" // "ex larva" // "*Hypera* sp. n. / A. Hoffmann det." // "*H. elongata* / *educta* T / HOLOTYPE" (red label) // "MUSEUM PARIS / 1984 / coll. G. TEMPERE" // "Synonym of / *Hypera diversipunctata* / *diversipunctata* / (Schrank, 1798) / by J. Skuhrovec 2010" (red label); **1 F (Allotype)**, the same data as Holotype, only another date 6-62.

**Thesis 1:** *Hypera diversipunctata educta* Tempère, 1972 is a junior synonym of *Curculio diversipunctatus* Schrank, 1798.

**Reason:** Unfortunately, the holotype and allotype of *Hypera diversipunctata educta* Tempère, 1972 are not well-sclerotised. This unfinished sclerotisation can cause a slight difference in the shape of the aedeagus. High variability within the species *Hypera diversipunctata*, including the character and shape of the aedeagus has been observed in several specimens from different regions of this species distribution.

#### = *Hypera* (*Boreohypera*) *diversipunctata seigneurici* Tempère, 1984

**Original description:** *Hypera diversipunctata seigneurici* Tempère, 1984

**Locus Typicus:** Pont d'Aula, Ariège Cloom (France)

**Length (without rostrum):** 6.5 mm (Holotype).

**Type material. 1 M** collection Museum National D' Histoire Naturelle in Paris: "Pont d'Aula / Ariège cloom. / le 16-VII-1978 / J. P. SEIGNEURIE" // "*Hypera elongata* / *seigneurici* n. / G: TEMPERE st. 84" // "HOLOTYPE" (red label) // "MUSEUM PARIS / 1984 / coll. G. TEMPERE" // "Synonym of / *Hypera diversipunctata* / *diversipunctata* / (Schrank, 1798) / by J. Skuhrovec 2010" (red label).

**Thesis 2:** *Hypera diversipunctata seigneurici* Tempère, 1984 is a junior synonym of *Curculio diversipunctatus* Schrank, 1798.

**Reason:** The holotype of *Hypera diversipunctata seigneurici* Tempère, 1984 is in good condition and has no problems in the sclerotisation of the aedeagus, contrary to the type material of *Hypera diversipunctata educta* Tempère, 1972 mentioned above. As stated previously, the variability that exists in the shape of the aedeagus of *Hypera diversipunctata* is very high. Thus, this character alone is not sufficient to maintain *Hypera diversipunctata seigneurici* Tempère, 1984 as a valid subspecies (see thesis 1).

### **Donus rubi (Krauss, 1900)**

**Original description:** *Hypera rubi* Krauss, 1900

**Synonym:** = *Donus pusillus* (Petri, 1912) **syn. nov.**

### **Synonym**

### **= Donus pusillus (Petri, 1912)**

**Original description:** *Hypera pusilla* Petri, 1912

**Locus Typicus:** Kerzer Gebirge (Fagaras Mts.), Rodna Mountains

**Length (without rostrum):** 5.0 mm (Lectotype).

**Type material. 1 M**, collection Hungarian Natural History Museum in Budapest: "Korongis" // "Hypera Type / pusilla / n. sp. m." // "Paratypus 1912 / Hypera / pusilla / Petri" (white label with red margins // "Neoglanis / rubi (Krauss) / det. A. Podlussány, 2005" // "Lectotype / Donus / pusillus (Petri, 1912)" // "Synonym of / Donus / rubi (Krauss, 1900) / by J. Skuhrovec 2010" (red label); 1 F, collection Hungarian Natural History Museum in Budapest: "Ruesees / Deubel" // "alpia" // "Paratypus 1912 / Hypera / pusilla / Petri" (white label with red margins // "Paralectotype / Donus / pusillus (Petri, 1912)" // "Synonym of / Donus / rubi (Krauss, 1900) / by J. Skuhrovec 2010" (red label).

The type material of *Donus pusillus* (Petri, 1912) deposited in the Hungarian Natural History Museum in Budapest was studied. It was compared with all *Donus* species in the 'Transalpina' region, including the type material of some rare species. Thus I arrived to the conclusion that this species is a younger synonym of *Hypera rubi* Krauss, 1900. The lectotype and paralectotype of *Donus pusillus* (Petri, 1912) has also not been designated yet. The lectotype and paralectotype-are designated and illustrated here.

**Thesis: Donus pusillus (Petri, 1912)** is a junior synonym of **Hypera rubi Krauss, 1900.**

**Reason:** All of the important characteristics necessary for the identification of this species, such as the shape of the rostrum, the shape of the aedeagus and others (e.g., shape of the pronotum and elytrae), support the fact that it is only a junior synonym of **Donus rubi** and not a valid species.

### **References**

**Skuhrovec J. (2009):** Digital-Weevil-Determination for Curculionoidea of West Palaeartic. Transalpina: *Hypera / Limobius / Metadonus* (Hyperinae: Hyperini) – *Snudebiller* 10: 39-47.

\* Price of printable version: 6,- € + postage (CURCI, Hauweg 62, D-41066 Mönchengladbach); but we recommend to download this article and to archive it on your computer.

\*\* The author wishes it to be known that in his opinion, the simultaneously published, interactive and very detailed clarification of the new taxonomic changes in **SNUDEBILLERonline** (1.9.2010) belong to **this** article!

\*\*\* Printable versions of this article of the **Weevil News: Biol. Abstr., Entomol. Abstr., Zool. Record.**

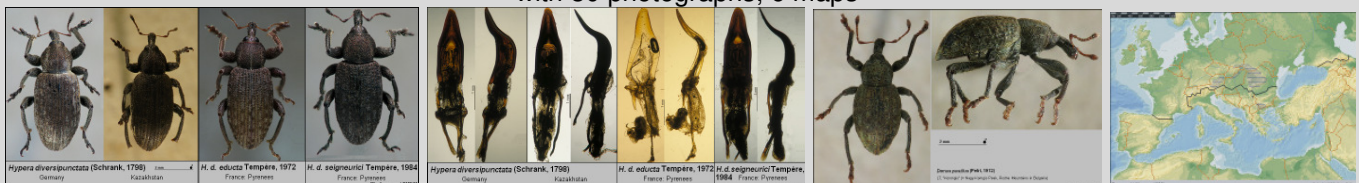
You can find a simultaneously published, interactive and very detailed work on taxonomic changes in **SNUDEBILLERonline** (11/2010: 96-101). For this purpose, please download the interactive freeware program **Book-reader 6.0**: [www.curci.de](http://www.curci.de).

## **Taxonomic changes inside Hyperini II.** (Coleoptera: Curculionidae: Hyperinae)

by

J. Skuhrovec, Prague

with 30 photographs, 6 maps



**Abstract** This report presents detailed clarification of a few recent taxonomic changes within the tribe Hyperini from Skuhrovec (2010): *Hypera (Boreohypera) diversipunctata educta* Tempère, 1972 and *Hypera (Boreohypera) diversipunctata seigneurici* Tempère, 1984 were identified as new synonyms of *Hypera (Boreohypera) diversipunctata* (Schränk, 1798). *Donus pusillus* (Petri, 1912) was identified as a new synonym of *Donus rubi* (Krauss, 1900). The lectotype and paralectotype of *Donus pusillus* (Petri, 1912) were designated and illustrated.