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# A new subspecies of *Dorcadion* (*Cribridorcadion*) *talyschense* Ganglbauer, 1884 from Iran (Coleoptera, Cerambycidae)

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**A new subspecies of *Dorcadion (Cribridorcadion) talyschense*  
Ganglbauer, 1884 from Iran (Coleoptera, Cerambycidae)**

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**Key words:** Coleoptera, Cerambycidae, Dorcadionini, *Dorcadion*, taxonomy, new subspecies, Iran, Azerbaijan.

**Abstract:** *Dorcadion (Cribridorcadion) talyschense sabalanum* ssp. n. is described from North Iran, Ardebil province, SE slope of Sabalan Mt.

A big series of *Dorcadion talyschense*, collected by S. Murzin in North Iran was recognized as a new subspecies and described below. So, the species consists now of 2 subspecies.

Several abbreviations are used in the text:

MD - collection of M. Danilevsky (Moscow, Russia)

ML - collection of M. Lazarev (Moscow, Russia)

NHMW - collection of Naturhistorisches Museum Wien (Austria)

SM - collection of S. Murzin (Moscow, Russia)

ZMM - collection of Zoological Museum of Moscow State University (Moscow, Russia)

***Dorcadion (Cribridorcadion) talyschense talyschense* Ganglbauer, 1884**

Figs 1-8; Map 1

*Dorcadion* (s. str.) *plasoni* var. *talyschense* Ganglbauer, 1884: 491 - “bei Rasano im Gebiete des caspischen Meeres”.

*Dorcadion talyschense* var. *posticeinterruptum* Pic, 1900: 12 - “Caucase”.

*Dorcadion talyschense* ab. *posticeinterruptum*, Aurivillius, 1922: 30 - “Transkaukasien”; Winkler, 1929: 1194 - “Ca.”.

*Dorcadion* (s. str.) *talyschense*, Aurivillius, 1922: 30 - “Lenkoran, Talysch-Gebirge”; Winkler, 1929: 1194 - “Lenk.”; Plavilstshikov, 1932: 193 - Transcaucasie.

*Dorcadion (Autodorcadion) talyschense* Plavilstshikov, 1958: 234, part. (unjustified emendation) - Azerbaijan: Talysh part of Mugan; North-

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West of Iran: Iranian Talysh, Gilan, north-east and east of Iranian Azerbaijan; Lobanov et al., 1982: 263; Danilevsky & Miroshnikov, 1985: 327, 332, part. - south-east Azerbaijan, common in Diabar depression, North Iran.

*Dorcadion (Pedestredorcadion) talyschense*, Breuning, 1958: 31, part. - "Talysh, Perse"; 1962: 477, part. - "vom Ufer des Kaspischen Meeres: Rasano", "Persien: Mts. Elburs, von Zendjan nach Ardebil", "Talysh".

*Dorcadion talyschense*, Danilevsky, 1986: 68 (endangered species).

*Dorcadion (Cribridorcadion) talyschense*, Danilevsky et al., 2005: 137 (endophallus); Danilevsky & Murzin, 2009: 3, part. - "Azerbajdzhan, mountain steppe of Talysh ridge - Zuvand area; Iran: Azerbajdzhan - Iranian part of Talysh ridge, Mt. Sabalan and Nur Lake; Nir environs; 26 km westwards Nir"; Danilevsky, 2010: 254.

*Dorcadion talyschense*, Holzschuh, 2007: 249.

**Type locality.** Azerbaijan, Talysh, Zuvand, Rasano (now ruins in about 5 km westwards from Gasmalyan, 38°40'12"N, 48°18'46"E).

**Diagnosis.** The nominative subspecies is characterised by moderately rough pronotal punctation, usually without rugae; most of dots are usually not conjugated; humeral carinae less exposed with less rough sculpture; dorsal elytral furrows less pronounced; body light pubescens always white, never yellowish; body length in males: 12.7-16.6 mm, width: 4.5-6.5 mm; body length in females: 15.0-19.3 mm, width: 6.5-7.8 mm.

**Materials.** Lectotype (figs 1-2), present desination, with three labels:

- 1) "*Dorcadion / talyschense /* Ganglb. Süant. / Caspi-Meer.";
  - 2) "TYPUS";
  - 3) "LECTOTYPUS / *Dorcadion* (s. str.) *plasoni* var. / *TALYSCHENSE* / Ganglbauer, 1884 / M.Lazarev des., 2017 - NHMW;
- 1 male with two labels: 1) "Talysh", 2) "*D. / talyschense /* Gglb. / det. N. Plavilstshikov" - ZMM;
- 1 male with three labels: 1) "Talyshgeb. / Transcaucas / Leder, Reitter", 2) "type 200", 3) "*D. / talyschense /* Gglb. / det. N. Plavilstshikov"- ZMM;
- 1 male with two labels: 1) "Talyshgeb. / Transcaucas / Leder, Reitter", 2) "*D. / talyschense /* Gglb. / det. N. Plavilstshikov" - ZMM;
- 1 females with three labels: 1) a. "Caucas. Talysh.", b. "Reitter", 2) "*D. talyschense* Gglb. / ab. *posticeinter* - / *ruptum* Pic / det. N. Plavilstshikov", 3) "*Dorcadion (Cribridorcadion) / talyschense /*

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*TALYSCHENSE* / Ganglbauer, 1884 / M.Lazarev det., 2017” - ZMM; 1 female with two labels: 1) “Talysh”, 2) “*D. talyshense* Gglb. / m. ♀ *ardebiense* / Pic / det. N. Plavilstshikov” - ZMM; 1 male with three labels: 1) “typus”, 2) “cont. / Persiae / Step. Mugan.” 3) “*D. talyshense* / Gglb / ab. *praeligatum* / m / N. Plavilstshikov det. / 1939” - ZMM; 1 male, Azerbaijan, Gasmalyan, 30.5.1974, V.Murzin - SM; 7 males, 13 females, Az.SSR, Gasmalyan, 31.5. 1979, 2.6.1979, 8.4.1980, 18.4.1980, 20.5.1980, 22.5.1980 M.Danilevsky leg. - MD, ML, SM; 3 males, Azerbaijan, Zuvand, Gili-Dara, 10.5.1971, V.Murzin - SM; 1 male, Azerbaidzhan, Talysh Mts., Gili-Dara, 20.5.1986, V.Zimberov - MD; 60 males, Azerbaidzhan, Talysh, Zuvand, 21.4-9.5.1988, A.Chuvilin - MD, ML; 1 male, Talysh mts, Zuvand, 1200 m, 15.5.1989 - SM; 2 females, Talysh, Yardymly, 1700 m, 13.5.2014 - MD.

**Distribution.** South-East Azerbaijan, Talysh Mountains; known localities are: Rasano (now ruins in about 5 km westwards from Gasmalyan, about 38°40'12"N, 48°18'46"E), Gasmalyan environs (about 38°40'22"N, 48°22'15"E), Gili-Dara (about 38°42'4"N, 48°18'43"E, 5 km NW Gasmalyan); Yardymly environs (about 38°54'30"N, 48°14'32"E); Iranian part of Talysh Mountains.

***Dorcadion (Cribridorcadion) talyschense sabalanum* ssp. n.**

Figs 9-19, Map 1

*Dorcadion talyschense* var. *morgani* Pic, 1905: 301 - “plateau persan occidental” (unavailable name - two names proposed for one population); Aurivillius, 1922: 30 - “Persien“; Winkler, 1929: 1194 - “Pers.”.

*Dorcadion talyschense* var. *ardebiense* Pic, 1905: 301 - plateau persan occidental” (unavailable name - two names proposed for one population).

*Dorcadion talyschense* ab. *ardebiense*, Aurivillius, 1922: 30 - “Persien“; Winkler, 1929: 1194 - “Pers.”.

*Dorcadion (Autodorcadion) talyschense* Plavilstshikov, 1958: 234, part. (unjustified emendation) - Azerbaijan: Talysh part of Mugan; “North-West of Iran: Iranian Talysh, Gilan, north-east and east of Iranian Azerbaijan”; Lobanov et al., 1982: 263; Danilevsky & Miroshnikov, 1985: 327, 332, part. - south-east Azerbaijan, common in Diabar depression, North Iran.

*Dorcadion (Pedestredorcadion) talyschense*, Breuning, 1958: 31, part. -

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“Talysh, Perse”; 1962: 477, part. - “vom Ufer des Kaspischen Meeres: Rasano”, “Persien: Mts. Elburs, von Zendjan nach Ardebil“, “Talysh“.

*Dorcadion (Cribridorcadion) talyshense*, Danilevsky & Murzin, 2009b: 3 - “Azerbajdzhan, mountain steppe of Talysh ridge - Zuvand area; Iran: Azerbajdzhan - Iranian part of Talysh ridge, Mt. Sabalan and Nur Lake; Nir environs; 26 km westwards Nir”.

**Type locality.** Iran, Ardebil province, SE slope of Sabalan Mt., 11.5 km W Sarein, 38°8'24"N, 47°56'24"E, 2081 m.

**Diagnosis.** Pronotal punctation very rough, usually strongly rugose with conjugated dots; humeral carinae strongly exposed usually with very rough sculpture, granulated; dorsal elytral furrows better pronounced; body light pubescens sometimes yellowish; body length in males: 12.3-16.8 mm, width: 4.8-6.4 mm; body length in females: 13.9-20.7 mm, width: 6.0-8.0 mm.

The diagnostic characters of the new subspecies were adequately described by Pic (1905) for his var. *ardebienne* and var. *morgani*.

**Materials.** Holotype (figs 9-10), male with two labels: 1) “Iran / Ardebil prov. 23.04.2001 / SE slope of Sabalan Mt. / 11.5 km W Sarein 2081 m / 38°8'24"N, 47°56'24"E / S.Murzin leg.”, 2) “HOLOTYPUS / *Dorcadion (Cribridorcadion) talyshense* / *SABALANUM* ssp. n. / M.Lazarev det., 2017” - ML; 132 paratypes; 122 males, 18 females, from same locality - MD, ML, SM, ZMM; 1 male with three labels: 1) “Ardebil / lac. Sali, 3.IV.1912”, 2) “*D. talyshense* Gglb. / ab. *morgani* Pic / det. N. Plavilstshikov”, 3) “PARATYPUS / *Dorcadion (Cribridorcadion) talyshense* / *SABALANUM* ssp. n. / M.Lazarev det., 2017” - ZMM.

**Distribution.** North-western Iran: south-east slope of Sabalan Mt., 11.5 km W Sarein, 38°8'24"N, 47°56'24"E, 2081 m; Nir environs (about 38°2'N, 48°E), 1750 m (Danilevsky & Murzin, 2009b); Nur lake (about 38°N, 48°33'E), 2500 m (Danilevsky & Murzin, 2009b).

**Remark.** *Pedestredorcadion talyshense* m. *latevittipenne* Breuning, 1974: 133 was described on the base of a single male (identified by Breuning as a female) from “Lac de Nur”. The specimen was published as a holotype of *Dorcadion (Cribridorcadion) nurense* Danilevsky & Murzin, 2009a.

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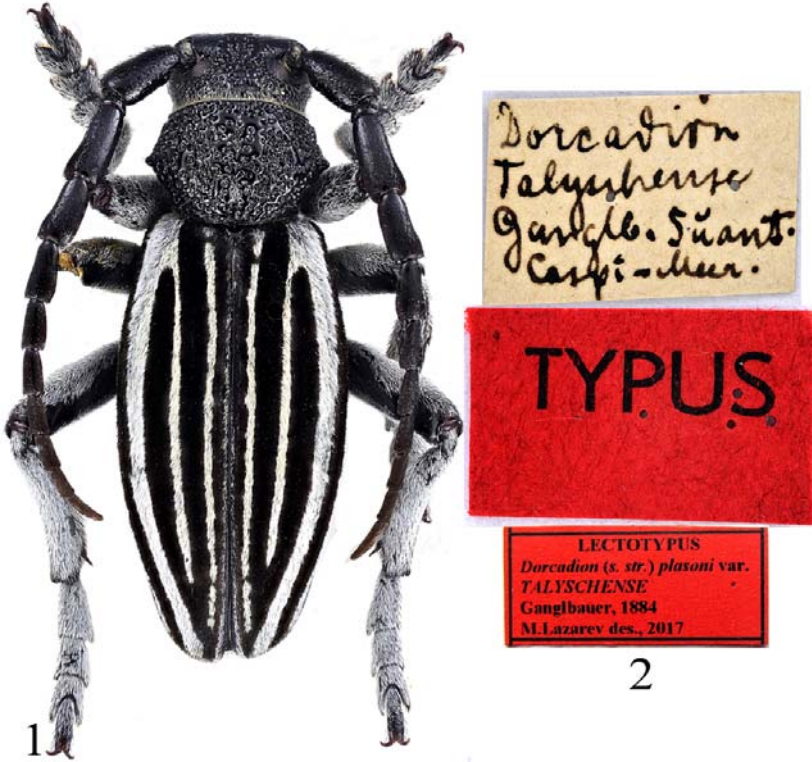
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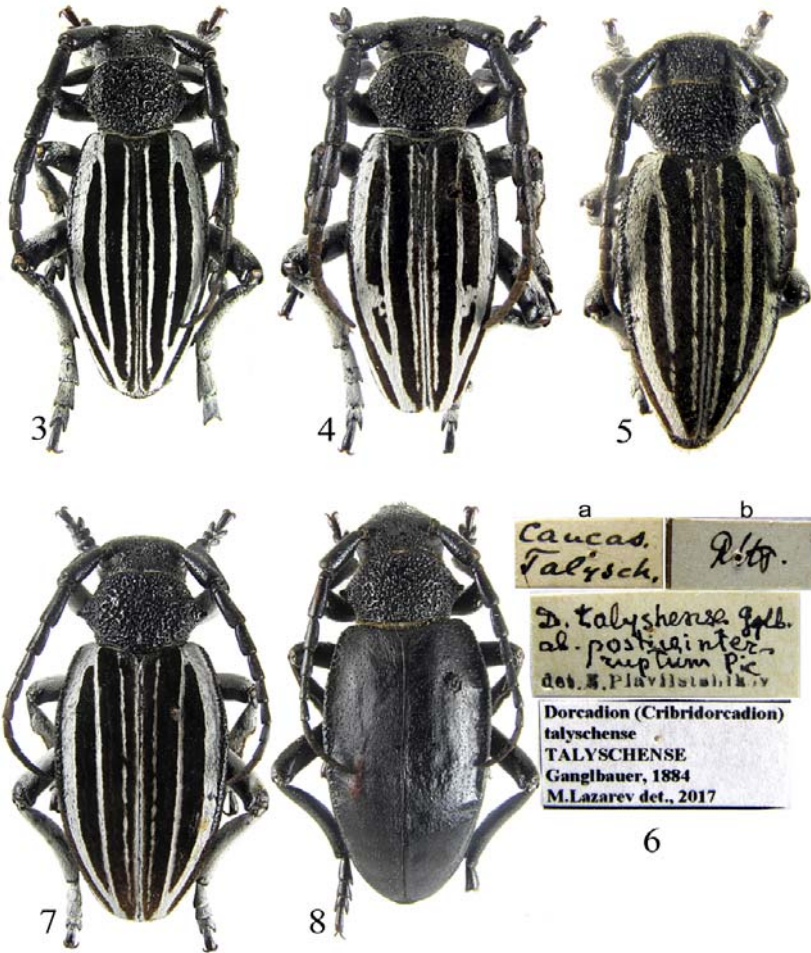
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1698 pp.



**Figs 1-2.** *Dorcadion* (*Cribridorcadion*) *talyschense talyschense* Ganglbauer, 1884:

1-2 - Lectotype, present designation, male with three labels:  
1) “*Dorcadion / talyschense / Ganglb. Süant. / Caspi-Meer.*”;  
2) “TYPUS”; 3) “LECTOTYPUS / *Dorcadion* (s. str.) *plasoni* var. / *TALYSCHENSE* / Ganglbauer, 1884 / M.Lazarev des., 2017”. Foto by H.Schillhammer.





**Figs 3-8.** *Dorcadion (Cribridorcadion) talyschense talyschense* Ganglbauer, 1884: 3 - male, Az.SSR, Gasmalyan, 20.5.1980, M.Danilevsky leg.; 4 - male, Az.SSR, Gasmalyan, 2.6.1979, M.Danilevsky leg.; 5-6 - female with three labels: 1) a. "Caucas. Talysch.", b. "Reitter", 2) "*D. talyschense* Ggbl. / ab. *posticeinter- / ruptum* Pic / det. N. Plavilstshikov", 3) "*Dorcadion (Cribridorcadion) / talyschense / TALYSCHENSE / Ganglbauer, 1884 / M.Lazarev det., 2017*"; 7 - female, Az.SSR, Gasmalyan, 22.5.1980, M.Danilevsky leg.; 8 - female, Az.SSR, Gasmalyan, 18.4.1980, M.Danilevsky leg.



Iran, Ardebil prov. 23.04.2001  
SE slope of Sabalan Mt.  
11.5 km W Sarein 2081m  
38° 8'24"N, 47°56'24"E  
S.Murzin leg.

**HOLOTYPUS**  
*Dorcadion (Cribridorcadion)*  
*talyschense*  
*SABALANUM* ssp. n.  
M.Lazarev det., 2017

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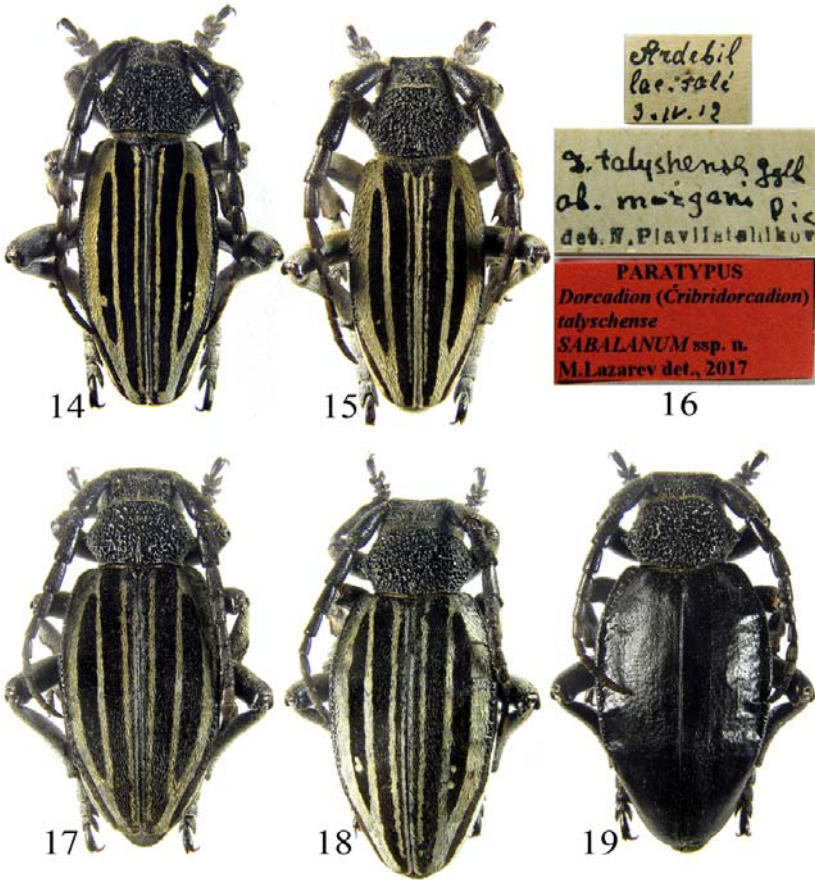


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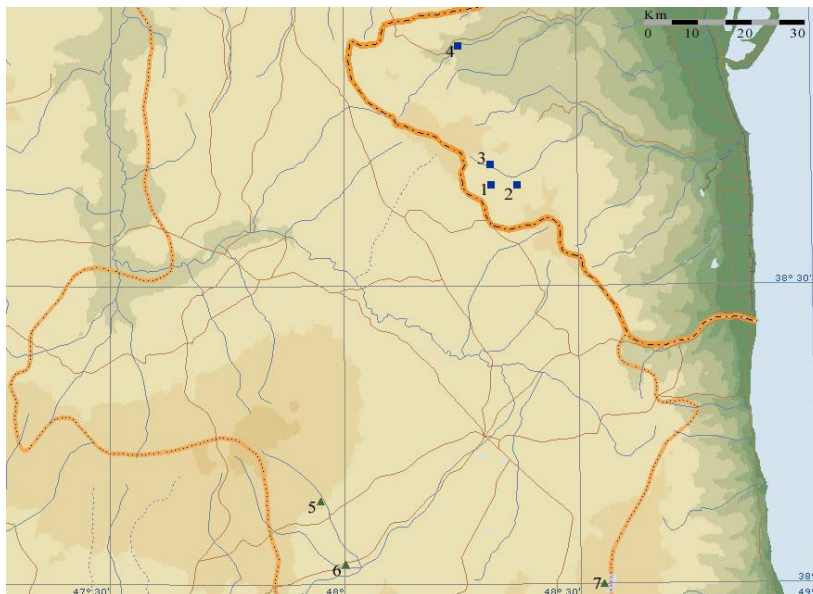
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**Figs 9-13.** *Dorcadion (Cribridorcadion) talyschense sabalanum* ssp. n.: 9-10 - Holotype, male with two labels: 1) “Iran / Ardebil prov. 23.04.2001 / SE slope of Sabalan Mt. / 11.5 km W Sarein 2081 m / 38°8'24"N, 47°56'24"E / S.Murzin leg.”, 2) “HOLOTYPUS / *Dorcadion (Cribridorcadion)* / *talyschense* / *SABALANUM* ssp. n. / M.Lazarev det., 2017”; 11-13 - Paratypes, males, from same locality.



**Figs 14-19.** *Dorcadion (Cribridorcadion) talyschense sabalanum* ssp. n.: 14 - Paratype, male, Iran, Ardebil province, SE slope of Sabalan Mt., 11.5 km W Sarein, 38°8'24"N, 47°56'24"E, 2081 m, 23.04.2001, S.Murzin leg; 15-16 - Paratype, male with three labels: 1) "Ardebil / lac. Sali, 3.IV.1912", 2) "*D. talyschense* Gglb. / ab. *morgani* Pic / det. N. Plavilstshikov", 3) "PARATYPUS / *Dorcadion (Cribridorcadion)* / *talyschense* / *SABALANUM* ssp. n. / M.Lazarev det., 2017; 17-19 - Paratypes, females, Iran, Ardebil province, SE slope of Sabalan Mt., 11.5 km W Sarein, 38°8'24"N, 47°56'24"E, 2081 m, 23.04.2001, S.Murzin leg.



**Map 1.** *D. (C.) t. talyschense* Ganglbauer, 1884 (1-4), *D. (C.) t. sabalanum ssp. n.* (5-7):

Azerbaijan: 1 - Rasano (38°40'12"N, 48°18'46"E); 2 - Gasmalyan environs (38°40'22"N, 48°22'15"E); 3 - Gili-Dara (38°42'4"N, 48°18'43"E); 4 - Yardymly environs (38°54'30"N, 48°14'32"E).

Iran, Ardebil province: 5 - south-east slope of Sabalan Mt., 11.5 km W Sarein, 38°8'24"N, 47°56'24"E, 2081 m; 6 - Nir environs (about 38°2'N, 48°E), 1750 m; 7 - Nur lake (about 38°N, 48°33'E), 2500 m.

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