

straight or somewhat wavy rugae. Petiolar node with short wavy rugae and puncture; postpetiolar node with more coarse straight rugulosity.

Body with numerous standing hairs; hairs on antennal scapes rather long, their length equal or slightly longer than maximum thickness of scapes; hind tibia with suberect hairs. Colour fuscous, sides of alitrunk, petiolar and postpetiolar nodes and appendages ochraceous-brown.

Paratypes, females: Al 1.69–1.93; HL 1.04–1.18; HW 0.91–1.04; SL 0.84–0.91 mm (Figs 27, 28).

Shape of head and form of frontal carinae and frontal lobes as in workers. Antennal scapes abruptly curved at base, not angulate and without lobes. Frons and vertex with divergent fine numerous rugae, lateral parts of head with wavy rugulosity and dense granular sculpture.

Mesopleurae finely densely rugulose, propleurae, propodeum, scutum and scutellum coarsely rugulose. Shape of propodeal spines, shape and sculpture of petiolar and postpetiolar nodes and colour as in workers.

Paratypes, males: AL 1.65–1.93; HL 0.83–0.97; HW 0.78–0.85; SL 0.66–0.77 mm (Figs 29–32).

Head slightly elongate (CI 1.00–1.08), widely rounded behind eyes, occipital border feebly convex. Antennal scapes rather long (SI 1.16–1.44), finely curved basally, not angulate. Dorsum of head densely punctate, very fine touch-like rugulosity on central part of frons only. Head with sparse, straight, coarse, standing hairs, their length obviously shorter than maximum thickness of antennal scapes.

Propodeum without teeth, with triangular tubercles. Propleurae and upper parts of mesopleurae finely punctate; lower parts of mesopleurae, sides of propodeum and scutum longitudinally rugulose; scutellum coarsely rugulose.

Alitrunk, nodes of petiole and postpetiole and gaster with numerous short straight standing hairs; hind tibia with suberect hairs. Colour dark-brown, appendages reddish-brown.

**Type localities.** Holotype worker: Russia, vicinity of Krasnoyarsk, Pogorelsky bor, No. 29, 1964 (V. DMITRENKO) (ZM). Paratypes: 11 workers from the same nest; 65 workers, 1 female, Altai, Nos. 4, 14, 119, 125, 130, 131, 237, 415, 506, 1988 (L. OMELCHENKO); 13 workers, Altai, 1968 (Z. ZHIGULSKAYA); 2 females, 2 males, Altai, Kuraiskaya kotlovina, No. 441, 10 VIII 1963 (Z. ZHIGULSKAYA); 6 workers, Altai, Chuiskaya kotlovina, Nos. 537, 549, 18 and 27 VI 1964 (Z. ZHIGULSKAYA); 1 worker, Altai, Unzezia on river Katun', 15 VIII 1909 (GORCHAKOVSKY); 1 worker, Chakassia, V 1974; 2 workers, Minusinsk, No. 1286, V 1974; 6 workers, E. Siberia, river Bogdashka, near river Angara, 21 VI 1873 (GORTUNG); 4 workers, 1 female, 1 male, Ulan-Ude, Nos. 1118, 1124, 1 VIII 1972; 3 workers, Irkutskij distr., village of Zun-Murino, No. 295, 10 VIII 1965 (A. PLESHANOV); 10 workers, Chitinskaya obl., Stretenskij distr., Ust'-Dunaevo, Pad' Kulinda, 10 IX 1957 (G. DLUSSKY); 195 workers, Evreiskaya AO, Mt. Obluchje, 40 km S of village of Pashkovo, 2–16 VI 1978 (TOMS); 20 workers, 1 female, Amurskaya obl., river M. Para – river B. Ergel, 5 IX 1958 (ZINOVIEV); Primorsky Krai: 9 workers, Khankaiskij distr., Sintuche, 1 V 1972 (A. KUPIANSKAYA); 9 workers, Barabach-Levada, 9 V 1972 (A. KUPIANSKAYA); 23 workers, 4 males, Kedrovaya Pad', 5 V 1971, 18 IX 1973, 16 VI 1975 (A. KUPIANSKAYA); 2 workers, 1 male, same locality, 6 IX 1964 (G. DLUSSKY); 8 workers, Tetuchinskij distr., rivers Iman and Krasnaya, 4 IX 1971 (A. KUPIANSKAYA); 13 workers, Dalnegorskij distr., Tetuche-Pristan', lake Vas'kovka, 26 VI 1972 (A. KUPIANSKAYA); 7 workers, Pejshula, Zmeinaya Gorka, 21 VII 1969 (A. KUPIANSKAYA); 11 workers, Sudzuche, bukhta Kut, 5 VIII 1946 (SHAROV); Suvorovo, 24 VI 1972 (ZHERYCHIN); 4 workers, vicinity of Vladivostok, 5 V 1989 (L. RYBALOV); 1 female, lake Hanka, 2 IX 1986 (A. KOTENKO); 4 workers, Sakhalin, vicinity of Juzhno-Sakhalinsk, 25 VII 1975 (A. KUPIANSKAYA); 2 workers, Sakhalin, village of Matrosovka, 9 VIII 1986 (S. BASARUKIN); Kunashir: 3