

EPIDENDRUM ANGUSTISEGMENTUM (L. O. Williams) Hågsater  
THE GENUS EPIDENDRUM PART 2

**EPIDENDRUM ANGUSTISEGMENTUM** (L. O. Williams) Hágsater, *comb. et stat. nov.*

Basionym: *Epidendrum rigidum* Jacq. var. *angustisegmentum* L. O. Williams, Ann. Missouri Bot. Gard. 33(4): 371. 1946. Holotype: PANAMA: Bocas del Toro: Water Valley, vicinity of Chiriquí Lagoon, **Wedel 1708 AMES!** Isotypes: MO! US!

Hierba epífita, de simpodio rastrero o escandente, 9-14 cm de alto. Raíces basales, de los 4-5 nudos basales de los tallos, carnosas, ca. 1 mm de grosor. Tallos sencillos, tipo caña, lateralmente comprimidos hacia el ápice, rectos, el tallo nuevo se origina de un entrenudo intermedio del tallo anterior (aparentemente del cuarto o quinto), 2-10 x 0.2-0.6 cm. Hojas 2-4, distribuidas hacia la mitad apical del tallo, alternas, coriáceas; vaina tubular, lateralmente comprimida, lisa, ca. 1 cm de largo; lámina articulada, elíptica, ápice bilobado, margen entero, lisa, verde, 2-6 x 1-2 cm. Espata ausente. Inflorescencia apical, del tallo maduro, florece una sola vez, racemosa, dística, erecta, 3-7 cm de largo; brácteas del pedúnculo 1-3, espaciadas, conduplicadas, ovadas, obtusas, 10-16 mm de largo; raquis lateralmente comprimido, ancipitoso, no ornamentado. Brácteas florales algo más cortas que el ovario, ovadas, conduplicadas, obtusas a agudas, 9-15 mm de largo. Flores 3-5, sucesivas, en ocasiones todas presentes en diferentes estados post antesis, concolor amarillas a amarillo-verdosas, fragancia no registrada. Ovario inflado ventralmente en toda su longitud, subtriquetro, no ornamentado, 15-20 mm de largo. Sépalos extendidos, libres, glabros, coriáceos, ovados, obtusos, margen extendido, 9-10 x 2-4.5 mm. Pétalos reflexos, lineares, oblanceolados, obtuso, margen extendido, 7.5-9 x 0.5-1 mm. Labelo unido a la columna, entero, ovado, base aparece truncada por que la base del labelo esta doblada hacia arriba, obtuso, margen entero, 5-7 x 3.0-4.5 mm; bicalloso, con una carina central roma. Columna recta, ligeramente arqueada en la base, 5 mm de largo. Clinandrio reducido, entero. Antera ovada, con una quilla roma al frente, 4-locular. Polinios 4, obovoides, lateralmente comprimidos. Rostelo hendido, subapical. Nectario penetrando todo el ovario, inflado en toda su longitud, no ornamentado. Cápsula ovoide, sésil, ca. 25 x 7 mm.

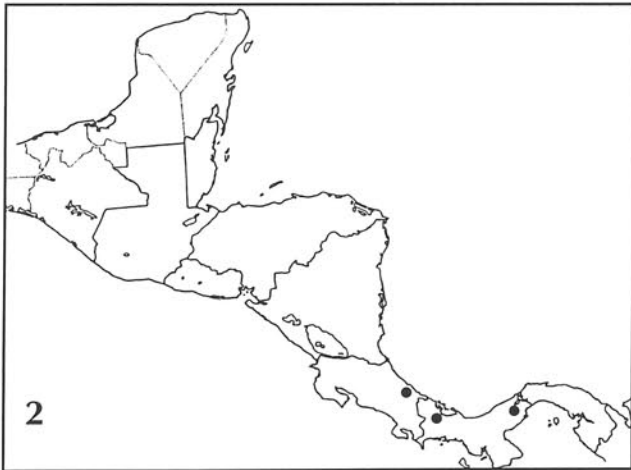
Epiphytic, creeping or scandent herb. Stems short, arising from an intermediate internode of the previous stem. Leaves 2-4, alternate, clustered towards the apical half of the stem, coriaceous, elliptic, apex bilobate. Inflorescence apical, racemose; peduncle bracts conduplicate, spaced; rachis laterally compressed, ancipitose. Floral bracts shorter than the ovary, obtuse to acute. Flowers 3-5, successive, sometimes all present in different stages of flowering and fruiting, concolor, yellow to greenish-yellow. Sepals ovate, obtuse, coriaceous. Petals linear, oblanceolate, obtuse. Lip ovate, base upturned appearing truncate, apex obtuse. Column slightly arched at base. Clinandrium reduced, entire. Rostellum slit, subapical. Nectary penetrating the full length of the ovary, inflated.

**OTHER SPECIMENS:** COSTA RICA: Limón: Parque Nacional Cahuita, *Todzia 512 CR!* PANAMA: Bocas del Toro: Laguna Chiriquí and its neighborhood, *Hart 133 K! US!* Ibid. *Hart 145 K! US!* Ibid. *Wedel 485 MO!* Nances Cay Island, *Wedel 586 AMES! MO!* US! Water Valley, Isla Colón, *Wedel 851 AMES! MO!* US! Panama: Zona del Canal, Barro Colorado Island, *Shattuck 649 F! MO!* US!

**OTHER RECORDS:** COSTA RICA: Limón: Playa de Punta Cahuita, *Sáenz sub Rodríguez 1148* (specimen not seen); Illustration 648 by Rafael Lucas Rodríguez AMO! (xerox and slide, illustration voucher).

**DISTRIBUTION AND ECOLOGY:** Restricted to the coastal lagoons and beaches of Costa Rica and northern and central Panama, at sea level in palm grove vegetation. Flowering recorded June-December.

**RECOGNITION:** Closely resembling *E. cardiophorum* Schltr., *E. angustisegmentum* has short stems, 2-4 leaves short and wide in proportion, the inflorescence usually has 3-5 successive flowers in different stages from bud to fruit, the sepals are 9-10 mm long, petals 0.5-1 mm wide and nectary penetrating the full length of the pedicel. Both *E. rigidum* Jacq. and *E. cardiophorum* are closely related and have shorter floral segments, no longer than 7 mm. *Epidendrum rigidum* has a prominent, denticulate, clinandrium and floral segments are only partly open. *Epidendrum cardiophorum* has an entire, short, reduced clinandrium, spreading floral segments, more numerous flowers and longer, narrower leaves.



**CONSERVATION STATUS:** DD (data deficient).

**ETYMOLOGY:** From the Latin "angustus" narrow and "segmentum" segment, probably in reference to the linear petals which distinguish this species from its closer relatives.

**NOTE:** The type has longer, narrower leaves than *Rafael Lucas Rodríguez 648*. The illustration voucher is based on the illustration 648 by R. L. Rodríguez.