

Title (en)

NODE ELEMENT FOR PNEUMATIC COMPONENTS

Title (de)

KNOTENELEMENT FÜR PNEUMATISCHE BAUELEMENTE

Title (fr)

ELEMENT NODAL DESTINE A DES COMPOSANTS PNEUMATIQUES

Publication

**EP 1513997 A1 20050316 (DE)**

Application

**EP 03760541 A 20030331**

Priority

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- CH 10422002 A 20020619

Abstract (en)

[origin: WO2004001162A1] The invention relates to a node element for a pneumatic component (1) consisting of a casing (2), a compression member (3) and two tractive elements (4), in addition to two swivel joints (5). Each node element is applied to the swivel joints (5) in such a way that an opening (10) accommodates the swivel joint (5). The node elements permit the introduction of tractive and compression forces into the pneumatic component (1) without a moment of flexion, the compression forces being absorbed by the compression member (3) and the tractive forces being absorbed by the tractive cables (4). The node element has holes (12) for fixing the compression member (3) with a screw (15) and holes (11) for receiving the tractive cables (4). The symmetrical arrangement of the holes (11, 12) guarantees that the load forces, in addition to the tractive and compression forces in the node element have a vectorial sum of zero and also that the moments of flexion occur symmetrically in relation to the compression members (3).

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Citation (search report)

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