

Title (en)

Clamping device for the bearing rings of wheel flange hubs.

Title (de)

Spannvorrichtung für Lagerringe von Radflanschnaben.

Title (fr)

Dispositif de serrage pour anneaux de palier dans des moyeux de bride.

Publication

EP 0258594 A1 19880309 (DE)

Application

EP 87110334 A 19870717

Priority

DE 8623406 U 19860901

Abstract (en)

1. A clamping device for removing bearing rings from wheel flange hubs and having, adapted for movement relatively to each other by engagement of screwthreads, two clamping jaws (4, 5) which are provided with recesses disposed opposite each other in a common plane, the two clamping jaws (4, 5) being form-lockingly guided on two parallel guide rails (6, 7) on which there is a further transverse member (8), one clamping jaw (5) being capable of being pressed by a screwthreaded spindle (24) seated in a screwthreaded bore (25) in the cross-member (8) and against the other clamping jaw (4) which is fixed on the guide members by screwed joints, characterised in that the two clamping jaws (4, 5) consist of plate-like members of identical thickness, provided in each case with at least approximately semi-circular cut-outs (17, 18), and in that the two clamping jaws (4, 5) are disposed between two longitudinal members (6, 7) of identical thickness which are bolted at one end on the fixed clamping jaw (4) and at the other end on the likewise equally thick cross-member (8) disposed between them, to form a flat plane clamping frame, and in that the two longitudinal members (6, 7) are in each case form-lockingly connected by tongue-groove guides to the two clamping jaws (4, 5) and in that for form-locking interchangeable insertion into the cut-outs (17, 18) in the clamping jaws (4, 5), pairwise identically constructed and substantially semi-circular clamping shells (21, 22, 23, 23') are provided which have radially inwardly projecting profiled ribs (30) and/or gripper projections, which can be connected to the clamping jaws (4, 5) by tongue-and-groove engagement (19, 20, 29).

Abstract (de)

Die Spannvorrichtung zum Abziehen von Lagerringen von Radflanschnaben ist mit zwei Spannbacken (4, 5) versehen, die jeweils aus gleich dicken, flachen, plattenartigen Körpern bestehen und formschlüssig in einem aus zwei parallelen Längsschenkeln (6, 7) und einem diese verbindenden Querschenkel (8) bestehenden, flachen, ebenen Spannrahmen angeordnet sind. Eine Spannbacke (5) ist entlang der Längsschenkel (6, 7) beweglich und durch eine in einer Gewindebohrung (25) des Querschenkels (8) sitzende Gewindespindel (24) gegen die andere unbeweglich mit den Längsschenkeln (6, 7) verbundene Spannbacke preßbar. Dadurch ist die Spannvorrichtung universeller einsetzbar, leichter handhabbar, und unterschiedliche Lagerringe von Radflanschnaben ansetzbar an bedarfsweise sowohl mit einer mechanischen, eine Druckspindel aufweisenden Abziehvorrichtung, als auch mit bzw. auf mechanischen, pneumatischen oder hydraulischen Pressen verwendbar bzw. einsetzbar.

IPC 1-7

B25B 27/06

IPC 8 full level

B25B 27/06 (2006.01); **B25B 27/073** (2006.01)

CPC (source: EP)

B25B 27/062 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH ES FR IT LI NL SE

DOCDB simple family (publication)

DE 8623406 U1 19861023; EP 0258594 A1 19880309; EP 0258594 B1 19900103; ES 2012376 B3 19900316

DOCDB simple family (application)

DE 8623406 U 19860901; EP 87110334 A 19870717; ES 87110334 T 19870717