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(54) Title: SETTING DEVICE FOR A THREADED FASTENER

(57) Abstract

A setting device for setting a threaded fastener to a predetermined torque, for example for setting a bolt of a masonry anchor, comprises a torque-transmitting body (2) interposed between the tool and the threaded fastener, the body (2) shearing in a thin-walled annular zone (10) at application of the predetermined torque. A separate pin (12) within the body (2) maintains a secondary torque-transmitting connection but is subject to substantial plastic deformation after shearing of the thin-walled zone to provide a cushioning effect which prevents sudden release of the setting device. The pin (12) is designed to shear at a lower torque across the reduced diameter defined by an annular groove (26), or disengage by progressively deforming and stripping the engagement between the distal end (18) and the central aperture (16) of the engaging portion (4). The pin (12) can be used to transmit a vertical impact force applied to the head (22) to the nut (6) and bolt. Also provided is an indicator ring (30) showing the correct torque setting, and any subsequent disturbance or tampering of the torque setting, if removed.

