

Abstract

1. An expansible anchor of metal and a process for the manufacture thereof,
 - 2.1 The expansible anchor consists of a shank, which at its rear end has means for fixing an article and at its front end has a portion of reduced cross-section with an adjoining expander cone, and, positioned over the portion, an expansible sleeve having longitudinal slits and locking elements projecting beyond the diameter of the expansible sleeve.
 - 2.2 In order on the one hand to increase the holding values and on the other hand to allow the expander cone to slide-up subsequently and the expansible sleeve to expand subsequently should the drilled hole become enlarged as a result of cracks forming, the locking elements comprise several interconnected punchings extending in the longitudinal direction of the expansible segments. Each punching is of triangular form with a tip directed towards the front end of the expansible segments. To improve the sliding properties, the expansible sleeve can be manufactured so that the contour of the blank constituting the expansible sleeve is pre-stamped slightly undersized and subsequently the sheet metal thickness is compacted in a pressing operation. After the compaction the locking elements are punched out.

(Figures 3 and 4)

This Sheet Has Been Replaced

