

ABSTRACT OF THE DISCLOSURE

SELF-DRILLING EXPANSION FASTENER AND METHOD OF FORMING SAME

5 A self-drilling expansion fastener 20 is integrally formed of a sheet metal material for locking two or more sheet workpieces together, and includes an expansion structure 21 and a drill structure 30. The expansion structure 21 has a plurality of internal threads 24 and force-distributing bars 25. The drill structure 30 has a chip guard 31 for covering a head of the expansion structure 21, and a drill 32 forward projected
10 from the chip guard 31 for self-drilling a hole. When an externally threaded element is screwed into the expansion structure 21 to mesh with the internal threads 24, the force-distributing bars 25 are brought to expand outward and are finally compressed into a folded state to thereby tightly lock the sheet workpieces to one another. A method of forming the self-drilling expansion fastener 20 is also disclosed.

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Fig. 3