

Title (en)

Tool for impact drilling and chuck for impact drilling tools.

Title (de)

Werkzeug zum Schlagbohren und Werkzeugaufnahme für schlagbohrende Werkzeuge.

Title (fr)

Outil pour forage de frappe et porte-outil pour les outils de forage de frappe.

Publication

EP 0542683 B1 19950719 (DE)

Application

EP 92810850 A 19921104

Priority

DE 4137120 A 19911112

Abstract (en)

[origin: EP0542683A1] The clamping shank 11 of a tool for impact drilling has at least two rotary driving grooves 14, 15, the lateral flanks 16, 17 of which, loaded during drilling, are not diametrically opposite one another, and two locking grooves 12, 13. The rotary driving grooves 14, 15 lead into the free end face 18 of the clamping shank 11 in order to be able to axially insert the rotary drivers of a chuck 14, 15. The locking grooves 12, 13 are closed at the end adjacent to the end face 18 in order to prevent the tool from being thrown out upon engagement of a locking body of the chuck. <??>In order to avoid fatigue fractures due to wear in the rotary driving grooves 14, 15 as well as peak stresses between the regions of the cross-sectional areas which are located between the locking grooves 12, 13 and the rotary driving grooves 14, 15, the locking grooves 12, 13 do not lie diametrically opposite one another. <??>For reasons of cost-effective manufacture, only one locking body is provided in a chuck according to the invention, which locking body forms an angle of less than 90 DEG with the smaller rotary driver. <IMAGE>

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