

Title (en)
DIE FOR BENDING-PRESS FORMING

Title (de)
MATRIZE ZUM BIEGEPRESSEN

Title (fr)
MATRICE POUR CINTRAGE-FORMAGE SOUS PRESSION

Publication
EP 3127624 A1 20170208 (EN)

Application
EP 15772740 A 20150330

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Abstract (en)
[PROBLEM] Disclosed is a bending-press forming punch which is hardly affected by the bending moment and can obtain a cylinder with good roundness. [SOLUTION] Provided is a bending-press forming punch which includes a pair of left and right dies 1 that are disposed at intervals along a widthwise direction of a plate material S to support the plate material S at two locations; and a punch 2 that is movable in a direction of getting close to or away from the dies 1 and sequentially presses the plate material S in the widthwise direction while interposing the plate material together with the dies 1 to perform the bending, wherein the punch 2 includes a punch head 2a having a working surface K which comes into direct contact with the plate material S to press the plate material S into a concave shape, and a punch supporter which is held by connection to the punch head 2a to support the punch head 2a. Moreover, the punch head 2a has a working surface K having a working surface center O which matches an axis q of the punch supporter 2b and being formed by a non-uniform circular arc in which a radius in a central region in the widthwise direction is a maximum radius.

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