Title (en)
Rotary forming tool and spindle therefor.

Title (de)
Rotierend formendes Werkzeug und dazugehörige Spindel.

Title (fr)
Arbre et outil de façonnage rotatif.

Publication
EP 0062441 A2 19821013 (EN)

Application
EP 82301485 A 19820323

Priority
US 24749881 A 19810325

Abstract (en)
A rotary forming tool (12) and spindle (14) therefor disclosed permit forming of larger diameter workpieces (26) than heretofore possible with multiple tools that are individually replaceable on each spindle. The rotary tool (12) has a tool body (78) of a generally C shape including an outwardly facing forming face (80) and leading and trailing end mounting surfaces (86, 88) coplanar with each other as well as including an intermediate support surface (92) on the concave inner side of the tool. Locating surfaces (92, 94) respectively adjacent the end support surfaces cooperate therewith in mounting the tool. A tool holder (110) of the spindle (14) includes a pair of tool mounts (114) each of which includes a pair of flat end mounting surfaces (116, 118) coplanar with each other and an intermediate mounting surface (120) between the end mounting surfaces extending parallel thereto at an outwardly spaced radial position. Locating surfaces (122, 124) on a central hub (132) of the tool spindle (14) adjacent flanges (126, 128) thereof which define the end mounting surfaces cooperate therewith to accurately locate the mounted tools. A support wall (130) of each tool mount (114) engages a side wall (108) of the associated tool to provide axial positioning of the mounted tool.

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IPC 8 full level
B21H 3/04 (2006.01); B21H 5/00 (2006.01); B21H 5/02 (2006.01)

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