

Clamping Device

Abstract

5 The invention relates to a clamping device comprising a clamping chuck (1) and a clamping element (2), which can be clamped thereto. The clamping chuck (1) has a receiving opening (7) for the clamping element (2) and clamping members (20) for clamping the clamping element (2) in the receiving opening (7). The clamping element (2) is embodied in an elongated manner, while the clamping chuck (1) is
10 provided with an elongated receiving opening (7) for the clamping element (2). At least one resiliently flexible centering element (9), which aligns the clamping element (2) in response to the insertion into the receiving opening (7) at right angles to the longitudinal axis (L) of the receiving opening (7), is arranged on the clamping chuck (1) in the insertion area of the receiving opening (7). Such a
15 clamping device is suitable in a particularly advantageous manner to realize clamping systems, by means of which large to very large workpiece carriers (40) can be clamped in the work area of a machine tool in a repeatably accurate manner.

20 (Fig. 1)