

Dressing Device for Circular Tools

Abstract

The present invention relates to a truing device, comprising a housing and a truing mandrel (1) with a shaft (10) used to mount a circular tool having a concentric opening, in particular a grinding disc (3), and with a first bearing (11) fixed on the housing (4) and located in a first end region of the truing mandrel (1), wherein the shaft (10) comprises a hydraulic clamping device (20) having a chamber (21) containing hydraulic medium, to which a pre-clamping pressure can be applied by means of a pre-clamping element (23), wherein the hydraulic clamping device is formed from a clamping section (22) lying above the chamber (21) in the radial direction and held in the shaft on both sides, the outer surface of which clamping section forms the clamping surface and which, when the hydraulic pressure in the chamber (21) increases, can be reversibly moved or bent outwards in the radial direction such that a radial clamping force can be exerted on the inner surface of the concentric opening of the circular tool penetrated by the clamping section (22). The invention further relates to a method for mounting and removing a circular tool on the truing mandrel of a truing device of this kind.