

Method for manufacturing a helical blank, in which air-plasma through-cutting of the wall of a hollow blank is performed along a helical path using air-plasma jet until an initial helical blank is formed, one end of which is joined to an uncut section of a hollow blank. Simultaneously with the air-plasma cutting of the hollow blank, step-by-step asymmetric swaging of the coil of the initial helical blank is performed by spreading it across its width using an anvil with a helical working surface and reciprocating-forward movements of the ram to form a wedge-shaped cross-sectional profile of the coil with a narrowed portion located on the side of the outer edge of such a coil of the helical blank, one end of which is joined to the initial helical blank.