

Title (en)
METHOD OF MAKING SEWING-MACHINE NEEDLES

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Abstract (en)
[origin: US4524815A] The present invention relates to a method for the manufacture of sewing machine needles from a cylindrical length of wire by form pressing a length of wire having a diameter which corresponds to the thickness of the needle butt, the wire is reduced to approximately the final cross sectional dimension over at least the length of the needle shank and the shoulder. The thread grooves are pressed in from the curved outer surfaces of the length of wire within the region of the needle shank. The reduction in cross section is effected by pressing opposite cross sections of wire material to form laterally protruding flat burrs. In between the flat burrs are transverse convex curved outer surfaces which lie within the final diameter. This intermediate form of the needle closely resembles its complete final shape. Several needle blanks, in particular two needle blanks, are attached together in the region of their points for simultaneous form pressing. The flat burrs are then removed completely or to the greater extent by a subsequent cutting.

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