

Title (en)

THREAD INSPECTION TOOL FOR MEASUREMENT OF PITCH DIAMETER, VISUAL CHECK OF PITCH AND THREAD PROFILE

Title (de)

GEWINDEINSPEKTIONSEINRICHTUNG ZUR MESSUNG DES GEWINDEDURCHMESSERS, DER GEWINDESTEIGUNG UND DES SCHRAUBENPROFILS

Title (fr)

OUTIL POUR LE CONTROLE D'UN FILETAGE, PERMETTANT DE MESURER LE DIAMETRE SUR FLANCS ET D'EFFECTUER UN CONTROLE VISUEL DU PAS ET DU PROFIL DU FILETAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9612158A1] A thread inspection tool of the type, in which a sliding caliper is provided with holders, in which thread profile blades may be mounted, the holders being fastened to the jaws of the sliding caliper, and in which the thread profile blades, one of which having of at least two thread profiles, may be brought into mutual contact. With a view to providing a tool which may be calibrated without the use of additional equipment, and the measuring reliability of which may be immediately controlled, the thread inspection tool is characteristic in that the sliding caliper is of the zero positionable type, that the thread profile blades are adapted to measure pitch diameter and to visually check and evaluate the thread profile, that the holders comprise two grooves extending perpendicularly to each other, and in which one groove is adapted to receive and to be held by one of the jaws of the sliding caliper, and in which the second groove, which comprises a threaded hole for holding a fastening screw for the thread profile blades, is machined to such a depth and width that it may hold the guide lug of a thread profile blade, the grooves for the guide lugs extending mutually in such a way that when two thread profile blades are placed in each their groove, they are positioned in the same plane parallel with the beam of the sliding caliper, and in such a way that a centre line common for the thread profiles intersects a tread crest on one thread profile blade and a root on the other.

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