International Standard

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Tools for pressing — Trombone head punches

Outillage de presse — Poinçons tulipes

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Tools for pressing — Trombone head punches

1 Scope

This document specifies the basic dimensions and tolerances, in millimetres, of trombone head punches. This document gives examples of materials and their hardness and specifies the designation of punches. These punches are available with shank diameters, *D*, from 4 mm to 20 mm.

The main use of the punches specified in this document is for punching holes in steel sheets. They can also be used for punching in other materials.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768, *Geometrical product specifications (GPS) — Dimensional tolerancing — Tolerance limits for general specification of linear and angular sizes*

ISO 8695, *Tools for pressing — Punches — Nomenclature and terminology*

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3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8695 apply.

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ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Dimensions

4.1 Perforating punches

4.1.1 Punches with straight shank – Type A

The dimensions of punches with straight shank, type A, shall be in accordance with the indications of Figure 1 and Table 1.

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