

INTERNATIONAL STANDARD

**ISO
8764**

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Driver points to fit cross-recessed head screws

Extrémités de tournevis pour vis à empreinte cruciforme



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8764 was prepared by Technical Committee ISO/TC 29, *Small tools*.

Annex A of this International Standard is for information only.

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Driver points to fit cross-recessed head screws

1 Scope

This International Standard specifies the shapes and dimensions, the technical requirements, torque test methods and the marking for the points of hand drivers and machine-operated bits for cross-recessed head screws.

This International Standard specifies two types of driver points as follows:

- type PH for type H recesses;
- type PZ for type Z recesses.

Types H and Z recesses are specified in ISO 4757.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4757 : 1983, *Cross recesses for screws*.

3 Shape and dimensions

The shapes and dimensions of the points shall conform with the requirements given in figure 1 and table 1 for type PH and figure 2 and table 2 for type PZ.

The axis of the point shall be concentric with the axis of the tool.

When a plated finish is used, the dimensions shall be met after plating.

4 Technical requirements

4.1 Materials

Components shall be manufactured from steel which when suitably heat treated satisfies the mechanical requirements and torque tests specified in 4.2 and clause 6 respectively.

4.2 Heat treatment and hardness

Driver points shall be hardened and tempered to attain minimum hardness values as follows:

- for hand-operated driver points: 54 HRC, for a minimum distance from the driving end equal to three times the nominal blade diameter;
- for machine-operated driver points: 58 HRC, over the entire length.

NOTE — These hardness values are the subject of a complementary study.

All hardness measurements shall be carried out on ground flats, parallel with the axis and of sufficient area to give an accurate reading.

4.3 Finish

Components shall be free from cracks, blemishes and other deleterious defects.

Dimensions in millimetres

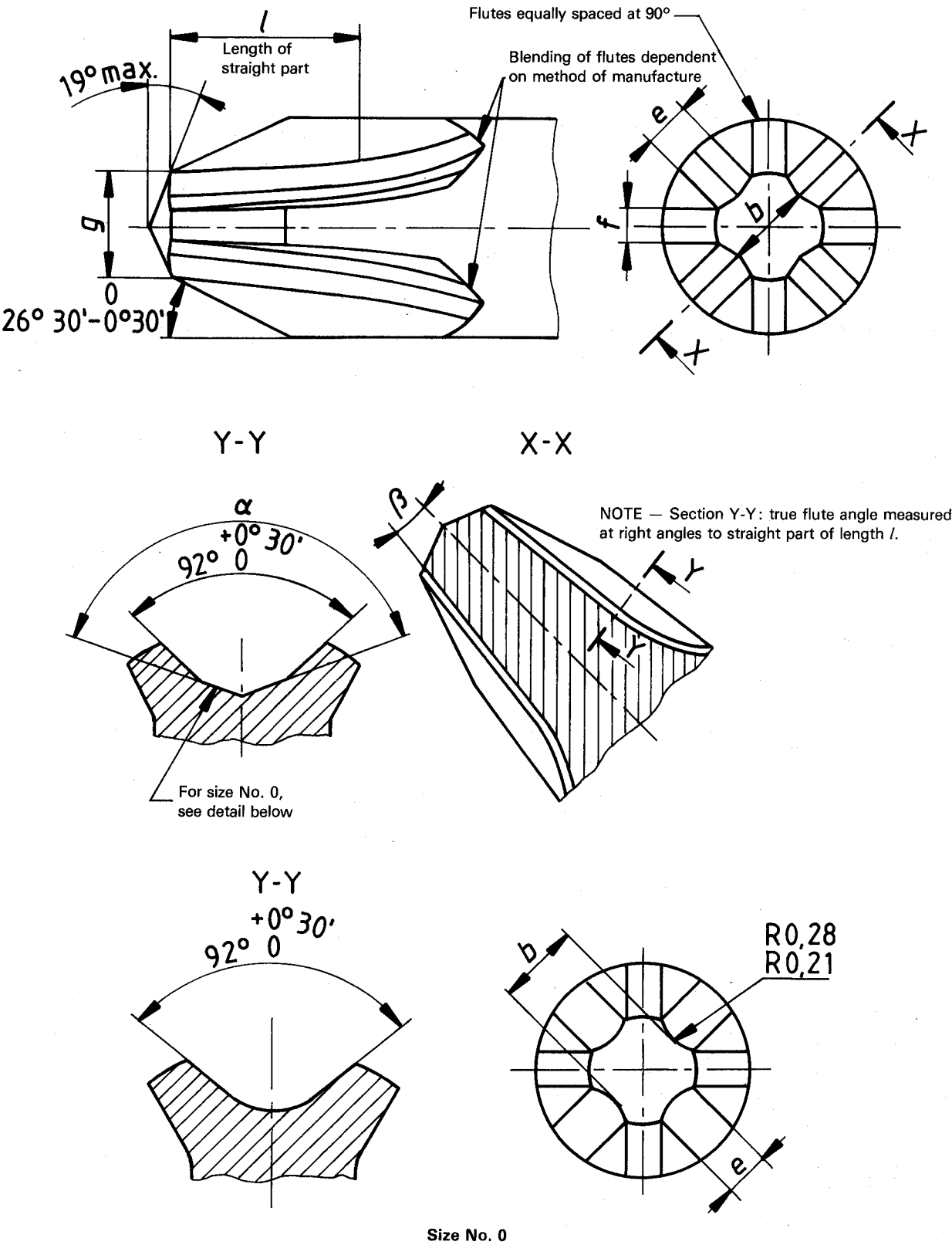


Figure 1 — Points type PH