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## Rotary and rotary impact masonry drill bits with hardmetal tips — Dimensions

*Forets pour bâtiment, à rotation et percussion, à plaquettes  
en métal-dur (carbures métalliques) — Dimensions*



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## Foreword

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ISO 5468 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 2, *High speed steel cutting tools and their attachments*.

This third edition cancels and replaces the second edition (ISO 5468:1992), Table 1 of which has been technically revised.

## Introduction

This International Standard has been prepared with due regard to the relationship between the masonry drill bits themselves, their tolerances and the holes which they produce in order that plugs and fixings may be positively located.

Account has been taken of the sizes which are in greatest demand and the range of diameters shown has been established only after several years of market research. Due recognition has also been given to the requirements of modern drilling technology, particularly the development of rotary impact drilling.

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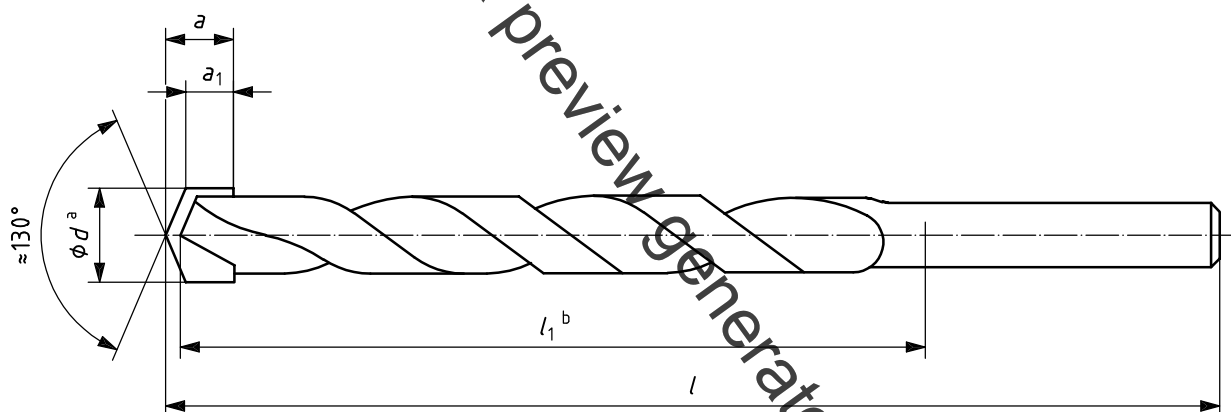
## 1 Scope

This International Standard specifies the dimensions, in millimetres, of rotary and rotary impact masonry drill bits with hardmetal tips, having diameters in the range 4 mm to 25 mm inclusive and overall and working lengths in the series short, long and extra-long.

It does not apply to hammer drills.

## 2 Dimensions

The dimensions and tolerances are shown in Figure 1 and given in Table 1.



### Key

- $a$  height of tip
- $a_1$  shoulder of tip
- $d$  cutting diameter
- $l$  total length
- $l_1$  working length

<sup>a</sup> The diameter  $d$  is measured across the corner of the hardmetal tip after removal of paint or protective coating.

<sup>b</sup> The length  $l_1$  corresponds to the overhang length of the chuck.

Figure 1