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AS 4517.1—2006

Australian Standard®

Blanks for superabrasive cutting-off wheels

Part 1: Manually guided cutting-off in building and civil engineering

STANDARDS
Australia

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- Abrasives Institute of Australia
- Australian Chamber of Commerce and Industry
- Industrial Diamond Association of Australia
- The University of Melbourne
- Victorian Employers' Chamber of Commerce

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Part 1: Manually guided cutting-off in building and civil engineering

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-033, Abrasives, to supersede, in part, AS/NZS 4517:1998, *Abrasive products—Segmented saws for machining of stone and masonry cutting—Dimensions of steel blades*.

It is identical with, and has been reproduced from ISO 6105-1:2004, *Blanks for superabrasive cutting-off wheels*—Part 1: *Manually guided cutting-off in building and civil engineering*.

The objective of this revision is to adopt the latest edition of ISO 6105, Part 1, and so align the dimensions of blanks for superabrasive cut-off wheels (for manually-guided cutting machines) with international convention.

As this Standard is reproduced from an international standard, the following applies:

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text 'this part of ISO 6105' should read 'this Australian Standard'.

(c) A full point substitutes for a comma when referring to a decimal marker.

AUSTRALIAN STANDARD

Blanks for superabrasive cutting-off wheels —

Part 1:
Manually guided cutting-off in building and civil engineering

1 Scope

This part of ISO 6105 specifies dimensions for blanks to be used for superabrasive cutting-off wheels on stationary or mobile cutting-off machines that are designed for application in building and civil engineering (cutting of asphalt, concrete, natural or artificial stone).

2 Dimensions

The dimensions of blanks with 40 mm lands and narrow slots (type A), blanks with 40 mm lands and wide slots (type B), blanks with 50 mm lands and narrow slots (type C), blanks with 50 mm lands and wide slots (type D) and blanks with 20 mm lands and narrow slots (type E), used for superabrasive cutting-off wheels, are shown in Figures 1 and 2 and are given in Tables 1 to 5 respectively.

Details which are not specified shall be chosen according to need.

3 Designation

EXAMPLE A blank for superabrasive cutting-off wheels of Type A with $D_1 = 540$ mm, $E = 2{,}8$ mm and $H = 50$ mm is designated as follows:

Blank ISO 6105-1 A 540 × 2,8 × 50

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