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Earth-moving machinery — Cutting edges used on tractor-dozers, graders and scrapers — Principal shapes and basic dimensions



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Preface

This Standard was prepared by the Standards Australia Committee ME-063, Earthmoving Equipment.

The objective of this document is to specify the —

(a) principal shapes and dimensions of the cross-section;

(b) hole location for the mounting bolts; and

(c) shapes and dimensions of holes for the mounting bolts,

for cutting used on tractor-dozers, graders and scrapers, as defined in ISO 6165, taking interchangeability into consideration.

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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 nongovernmental, 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 voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7129 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery,* Subcommittee SC 3, *Operation and maintenance.*

This third edition cancels and replaces the second edition (ISO 7129:1989), which has been technically revised.

Annex A forms an integral part of this International Standard.

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Australian Standard®

Earth-moving machinery — Cutting edges used on tractor-dozers, graders and scrapers — Principal shapes and basic dimensions

1 Scope

This International Standard specifies

— the principal shapes and dimensions of the cross-section,

— the hole location for the mounting bolts,

— the shapes and dimensions of holes for the mounting bolts,

for cutting used on tractor-dozers, graders and scrapers, as defined in ISO 6165, taking interchangeability into consideration.

NOTE Some values in inches in this International Standard are not equivalent to the corresponding values in millimetres because widely used values have been adopted.

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 6165:1997, *Earth-moving machinery — Basic types — Vocabulary.*

3 Cross-sections of cutting edges — Principal shapes and basic dimensions

The principal shapes and basic dimensions of the cutting edge cross-section shall be as shown in figures 1 and 2 and given in tables 1 and 2.

Table 1 — Tractor-dozers and scrapers (see figure 1)

Dimensions in millimetres (Inch values in parentheses)

Application [1]		**Width,** *W*		**Thickness,** *T*		**Tip of chamfer,** *F*	
Tractor with dozer	Tractor scraper	nom.	tol.	nom.	tol.	max.	min.
X		153 (6)		12,7 (0,5)		8 (0,32)	
X		153 (6)	+ 3 (+ 0,118)	16 (0,625)		10 (0,39)	
X		153 (6)		19 (0,75)		12 (0,47)	
X		160 (6,3)		16 (0,625)		10 (0,39)	
X		165 (6,5)		16 (0,625)		10 (0,39)	
X		204 (8)		16 (0,625)		10 (0,39)	
X		204 (8)		19 (0,75)		12 (0,47)	
X		204 (8)		22 (0,875)		13 (0,51)	
X		204 (8)		25,4 (1)		14 (0,55)	
X	X	254 (10)		19 (0,75)		12 (0,47)	

[1] Recommendation only.

NOTE The shapes and dimensions of cutting edges with a 140 mm hole pitch are specified in annex A.

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