INTERNATIONAL STANDARD

ISO 12635

Second edition
2008-12-01

Graphic technology — Plates for offset printing — Dimensions

Technologie graphique — Plaques pour impression offset — Dimensions



Reference number
ISO 12635:2008(E)

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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 12635 was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

This second edition cancels and replaces the first edition (ISO 12635:1996). It has been extensively revised in all sections; requirements for perforations and designations have been deleted.

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Introduction

This International Standard stipulates dimensional properties of printing plates for offset printing. While not all present plate dimensions will conform to this International Standard, the specifications for dimensions serve as an effort to reduce the multitude of possible formats to a reasonable level that simplifies manufacture and communications between plate, platesetter and press manufacturers, and the printer.

In this revision, the requirements for perforations and designations have been deleted. According to recent developments in dimensions of printing plates, especially within the thickness dimension, new thickness categories have been implemented. Due to the increasing adoption of CtP, additional attributes have been introduced to be applied to plates with these new devices.

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Graphic technology — Plates for offset printing — Dimensions

1 Scope

This International Standard specifies the width, length and thickness of metal lithographic printing plates (referred to hereafter as "plates"). For plates to be used in computer to plate (CtP) applications, flatness, edge straightness and burr requirements are also included. These requirements are applicable to unprocessed plates.

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2 Terms and definitions

For the purposes of this document the following terms and definitions apply.

2.1
cutting burr
ridge along the edge of a plate produced by cutting, especially with a blunt knife

2.2
plate width
W
dimension of a printing plate parallel to the cylinder axis (clamping edge)

2.3
plate length
L
dimension of a printing plate in the direction perpendicular to the cylinder axis (clamping edge)

2.4
plate thickness
s
caliper of a coated plate

2.5
edge waviness
degree to which a plate edge conforms to a measurement plane

2.6
plate edge straightness
maximum deviation of the plate edge parallel to the cylinder axis (clamping edge) from a straight line, drawn from the corners of the plate

2.7
unprocessed plates
plates as received from the manufacturer

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