
**Plain washers for screw and washer
assemblies — Small, normal and large
series — Product grade A**

*Rondelles plates pour vis à rondelle plate incorporée — Séries étroite,
normale et large — Grade A*



Foreword

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International Standard ISO 10673 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

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Plain washers for screw and washer assemblies — Small, normal and large series — Product grade A

1 Scope

This International Standard specifies the characteristics of plain steel washers, small, normal and large series, of product grade A with hardness classes 200 HV and 300 HV for metric screw and washer assemblies according to ISO 10644.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were 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 editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3269:1988, *Fasteners — Acceptance inspection*.

ISO 4042:—¹⁾, *Fasteners — Electroplated coatings*.

ISO 4759-3:1991, *Tolerances for fasteners — Part 3: Plain washers for bolts, screws and nuts with nominal thread diameters from 1 mm up to and including 150 mm — Product grades A and C*.

ISO 6507-1:1997, *Metallic materials — Vickers hardness test — Part 1: Test method*.

ISO 10644:1998, *Screw and washer assemblies with plain washers — Washer hardness classes 200 HV and 300 HV*.

3 Classification

Washers of product grade A for metric screw and washer assemblies are classified into three types:

- type S: small series, preferably for hexagon socket head cap screws and for cheese head screws.
- type N: normal series, preferably for hexagon head screws.
- type L: large series, preferably for hexagon head screws.

¹⁾ To be published. (Revision of ISO 4042:1989)