

SLOVENSKI STANDARD SIST ISO 7092:1996

01-april-1996

Okrogle ravne podložke - Majhna vrsta - Razred izdelave A

Plain washers -- Small series -- Product grade A

Rondelles plates -- Série étroite -- Grade AARD PREVIEW

Ta slovenski standard je istoveten z: ISO 7092:1983

SIST ISO 7092:1996

https://standards.iteh.ai/catalog/standards/sist/a3f91153-6d8c-4784-98ad-1ce34eec04ac/sist-iso-7092-1996

ICS:

21.060.30 Podložke, varovalni elementi Washers, locking elements

SIST ISO 7092:1996 en

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International Standard



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Plain washers — Small series — Product grade A

Rondelles plates - Série étroite - Grade A

First edition - 1983-09-15

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UDC 621.882.4

Ref. No. ISO 7092-1983 (E)

Descriptors: washers, plain washers, dimensions, designation, specifications.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 7092 was developed by Technical Committee ISO/TC 2, Fasteners, and was circulated to the member bodies in December 1981.

It has been approved by the member bodies of the following countries:

<u>SIST ISO 7092:1996</u>

Australia https://standards.iteh.ai/catalog/standards/sist/a3f91153-6d8c-4784-98ad-india Poland Poland Austria Ireland 1ce34ecc/Romania iso-7092-1996
Belgium Italy South Africa, Rep. of

Relgium Italy South Africa, Rep. of China Japan Spain Czechoslovakia Korea, Dem. P. Rep. of Sweden

Denmark Korea, Rep. of Switzerland
Egypt, Arab Rep. of Mexico United Kingdom
Finland Netherlands USSR

Germany, F. R. New Zealand Hungary Norway

The member bodies of the following countries expressed disapproval of the document on technical grounds:

Canada France USA

Plain washers — Small series — Product grade A

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1 Scope and field of application

SIST ISO 7092:1996

This International Standard lays down the specification for plain washers of product grade A, with small outside diameter preferable for screws with cylindrical heads, with thread sizes from M 1,6 to M 36 inclusive.

2 References

ISO 887, Plain washers for metric bolts, screws and nuts — General plan.

ISO 1456, Metallic coatings - Electroplated coatings of nickel plus chromium.

ISO 1457, Metallic coatings — Electroplated coatings of copper plus nickel plus chromium on iron or steel.

ISO 1458, Metallic coatings - Electroplated coatings of nickel.

ISO 2081, Metallic coatings - Electroplated coatings of zinc on iron or steel.1)

ISO 3269, Fasteners - Acceptance inspection.2)

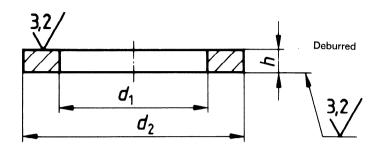
ISO 4759/3, Tolerances for fasteners — Part 3: Washers for metric bolts, screws and nuts with thread diameters from 1 up to and including 150 mm — Product grades A and C.

¹⁾ At present at the stage of draft. (Revision of ISO 2081-1973.)

²⁾ At present at the stage of draft.

ISO 7092-1983 (E)

3 Dimensions



Dimensions in millimetres

Nominal size	Clearance hole d_1		Outside diameter d_2		Thickness h		
(Thread size, d)	nom. (min.)	max.	nom. (max.)	min.	nom.	max.	min.
1,6	1,7	1,84	3,5	3,2	0,3	0,35	0,25
2	2,2	2,34	4,5	4,2	0,3	0,35	0,25
2,5	2,7	2,84	5	4,7	0,5	0,55	0,45
3	3,2	3,38	6	5,7	0,5	0,55	0,45
3,5	3,7	3,88	7	6,64	0,5	0,55	0,45
4	4,3	4,48	8	7,64	0,5	0,55	0,45
5	5,3	5,48	NT9 A R	D 8,642 F	VIEW	1,1	0,9
6	6,4	6,62	11	10,57	1,6	1,8	1,4
8	8,4	8,62512	ndards	.ite.n.ai	1,6	1,8	1,4
10	10,5	10,77	18	17,57	1,6	1,8	1,4
12	13	13,27	SIS 20 ISO 709	<u>2:1919</u> 48	2	2,2	1,8
14	15ttps://sta	ındar ı15,27 h.ai/c	atalog 24 tandards	/sist/ 23 [48 153-	6d8c- 2 7 5 4-98a	d- 2,7	2,3
16	17	17,27 ^{1ce3}	4eec0 ₂₈ ac/sist-is	0-70 27 ,48996	2,5	2,7	2,3
20	21	21,33	34	33,38	3	3,3	2,7
24	25	25,33	39	38,38	4	4,3	3,7
30	31	31,33	50	49,38	4	4,3	3,7
36	37	37,62	60	58,8	5	5,6	4,4

Specifications and reference International Standards

Material ¹⁾		Steel		Austenitic stainless steel					
	Classes	140 HV	200 HV	300 HV ²⁾	A 140	A 200	A 350		
Mechanical properties	International Standards		3)		3)				
	Hardness HV	140 min.	200 — 300	300 — 400	140 min.	200 — 300	350 — 400		
Tolerances	Product grade	A							
	International Standard	ISO 4759/3							
		Plain, deburred							
Surface finish		Requirements for electroplating are given in ISO 1456, ISO 1457, ISO 1458, and ISO 2081.							
		If different electroplating requirements are needed for other finishes, they should be negotiated between customer and supplier.							
Acceptability	The acceptance procedure is covered in ISO 3269.								

- 1) Non-ferrous and other materials as agreed.
- 2) Hardened and tempered.3) Will be covered in a future International Standard.

ISO 7092-1983 (E)

5 Designation

Example for the designation of a plain washer, small series, of nominal size 8 mm and mechanical property class 140 HV:

Washer ISO 7092 - 8 - 140 HV

Example for the designation of a plain washer, small series, of nominal size 8 mm and mechanical property class A 140:

Washer ISO 7092 - 8 - A 140

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