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# International Standard



# 693

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

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## Dimensions of seam welding wheel blanks

*Dimensions des ébauches des molettes de soudage*

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Descriptors : welding, welding equipment, seam welding, welding accessories, blanks, rolls (semi manufactured parts), dimensions.

## 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 693 was developed by Technical Committee ISO/TC 44, *Welding and allied processes*, and was circulated to the member bodies in February 1982.

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

Austria	India	Spain
Belgium	Japan	Sweden
Brazil	Korea, Dem. P. Rep. of	Switzerland
Canada	Korea, Rep. of	United Kingdom
Egypt, Arab Rep. of	New Zealand	USA
Finland	Norway	USSR
France	Poland	
Germany, F. R.	Romania	

No member body expressed disapproval of the document.

This International Standard cancels and replaces ISO Recommendation R 693-1968, of which it constitutes a technical revision.

# Dimensions of seam welding wheel blanks

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### 1 Scope and field of application

This International Standard specifies the outside diameter and thickness of blanks for seam welding wheels. These are rough machined on the circumference and finished to size on the width.

### 2 References

ISO 3, *Preferred numbers — Series of preferred numbers*.

ISO 5182, *Materials for resistance welding electrodes and ancillary equipment*.

### 3 Dimensions

The outside diameters of the blanks are subject to deviations of  $+3$  mm. The corresponding finished widths are subject to a tolerance of  $+0,2$  mm.  
 $-0,1$

**Dimensions of seam welding wheel blanks :**  
Nominal outside diameter of finished wheel

**100; 112; 125; 140; 160; 180; 200; 224; 250; 280; 315.**

### NOTES

- 1 Preferred values of nominal outside diameter are in bold type.
- 2 The recommended thicknesses are : 6,3; 8; 10; 12,5; 16; 20 and 25 mm.
- 3 Other dimensions shall be chosen from preferred numbers according to ISO 3.

### 4 Designation

The designation of a seam welding wheel blank shall consist of the number of this International Standard, the nominal outside diameter, the thickness and the material type.

#### Example

A seam welding wheel blank with nominal outside diameter 100 mm, a thickness of 16 mm and material type A 2/2 has the following designation :

**Seam welding wheel blank ISO 693-100 × 16 — A 2/2**

### 5 Material

Recommendations for materials for seam welding wheels are given in ISO 5182.

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