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# INTERNATIONAL STANDARD



# 3920

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

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## Honing stones of square section — Designation and dimensions

*Bâtons rodoirs à section carrée — Désignation et dimensions*

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**Descriptors** : tools, abrasives, honing stones, specifications, designation, dimensions.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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 3920 was drawn up by Technical Committee ISO/TC 29, *Small tools*, and was circulated to the Member Bodies in October 1975.

It has been approved by the Member Bodies of the following countries :

Australia	Italy	Switzerland
Austria	Korea, Rep. of	Turkey
Belgium	Mexico	United Kingdom
France	Poland	U.S.A.
Germany	Romania	U.S.S.R.
Hungary	South Africa, Rep. of	Yugoslavia
India	Spain	
Israel	Sweden	

No Member Body expressed disapproval of the document.

# Honing stones of square section – Designation and dimensions

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of honing stones of square cross-section (conventional abrasive products). They are held in a groove and are intended for use on honing machines.

Honing stones of rectangular cross-section are the subject of ISO 3921.

## 2 DESIGNATION

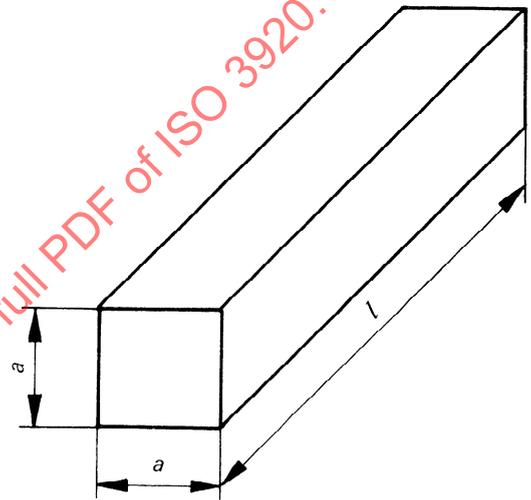
The designation of honing stones of square cross-section consists of the width or thickness,  $a$ , followed by the length  $l$ .

*Example :*

Designation of a honing stone of width or thickness  $a = 3$  mm and length  $l = 40$  mm :

Honing stone  $3 \times 3 \times 40$

## 3 DIMENSIONS



Values in millimetres

Recommended dimensions	Non-recommended dimensions
$a \times a \times l$	$a \times a \times l$
$2 \times 2 \times 25$	$2,5 \times 2,5 \times 32$
$3 \times 3 \times 40$	
$4 \times 4 \times 50$	$5 \times 5 \times 63$
$6 \times 6 \times 80$	
$8 \times 8 \times 100$	
$10 \times 10 \times 125$	
$13 \times 13 \times 160$	
$16 \times 16 \times 200$	
$20 \times 20 \times 250$	$25 \times 25 \times 315$

NOTE – Other lengths selected from the above range (i.e. 25 – (32) – 40 – 50 – (63) – 80 – 100 – 125 – 160 – 200 – 250 and (315) mm) may be specified in national standards.