# INTERNATIONAL STANDARD ISO 2343

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

## Hexagon socket set screws — Metric series

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**Descriptors** : socket head screws, dimensions.

Price based on 1 page

## 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 2343 was drawn up by Technical Committee ISO/TC 2, *Bolts, nuts and accessories.*

It was approved in July 1971 by the Member Bodies of the following countries :

| | | |
|---|---|---|
| Austria | Hungary | Poland |
| Belgium | India | Portugal |
| Canada | Ireland | Romania |
| Czechoslovakia | Israel | South Africa, Rep. of |
| Denmark | Italy | Sweden |
| Egypt, Arab Rep. of | Korea, Rep. of | Switzerland |
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| France | New Zealand | United Kingdom |
| Germany | Norway | U.S.S.R. |

The Member Body of the following country expressed disapproval of the document.

Japan





Printed in Switzerland

# Hexagon socket set screws — Metric series

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions of hexagon socket set screws of the metric series.

## 2 REFERENCES

ISO/R 262, *ISO General purpose metric screw threads — Selected sizes for screws, bolts and nuts.*

ISO/R 888, *Nominal lengths for bolts, screws and studs — Thread lengths for general purpose bolts.*

ISO ... (In preparation.)

## 3 DIMENSIONS

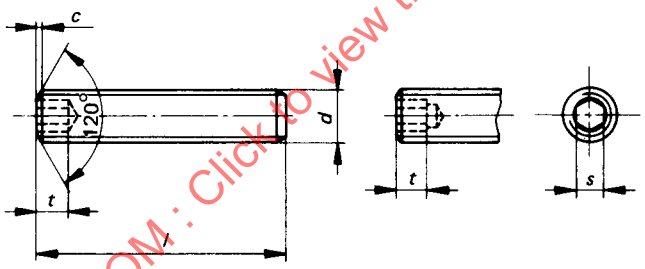


TABLE — **Dimensions**

Values in millimetres

| *d* | | (1.4) | 1.6 | (1.8) | 2 | (2.2) | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 | 20 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *c* | | 0.1 | 0.1 | 0.1 | 0.15 | 0.15 | 0.2 | 0.25 | 0.35 | 0.4 | 0.5 | 0.6 | 0.8 | 1 | 1.1 | 1.2 | 1.5 |
| *l* | min. | 2.5 | 2.5 | 2.5 | 3 | 3 | 4 | 4 | 5 | 6 | 8 | 8 | 10 | 14 | 18 | 20 | 25 |
| *s* | nominal | 0.7 | 0.7 | 0.7 | 0.9 | 0.9 | 1.3 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| | min. | 0.71 | 0.71 | 0.71 | 0.89 | 0.89 | 1.27 | 1.52 | 2.02 | 2.52 | 3.02 | 4.02 | 5.02 | 6.02 | 8.03 | 10.03 | 12.04 |
| | max. | 0.725 | 0.725 | 0.725 | 0.91 | 0.91 | 1.3 | 1.55 | 2.05 | 2.56 | 3.06 | 4.07 | 5.08 | 6.09 | 8.11 | 10.12 | 12.14 |
| *t* | min. | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 2 | 2 | 2.5 | 3 | 3.5 | 5 | 6 | 8 | 10 | 12 | 15 |

Thread diameters in parentheses should be avoided if possible.

Dimension *t* min. = minimum depth of key engagement.

See ISO/R 262 for thread series.
See ISO/R 888 for nominal lengths.
See ISO ... for the different shapes and dimensions of screw ends.

Material: Steel with a minimum hardness of HRC 45.