
International Standard



8991

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

Designation system for fasteners

Système de désignation des éléments de fixation

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[ISO 8991:1986](https://standards.iteh.ai/catalog/standards/sist/3f35c0cf-3569-4fa0-882a-072b1e79c4d1/iso-8991-1986)

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UDC 621.88

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Descriptors : fasteners, designation.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8991 was prepared by Technical Committee ISO/TC 2, *Fasteners*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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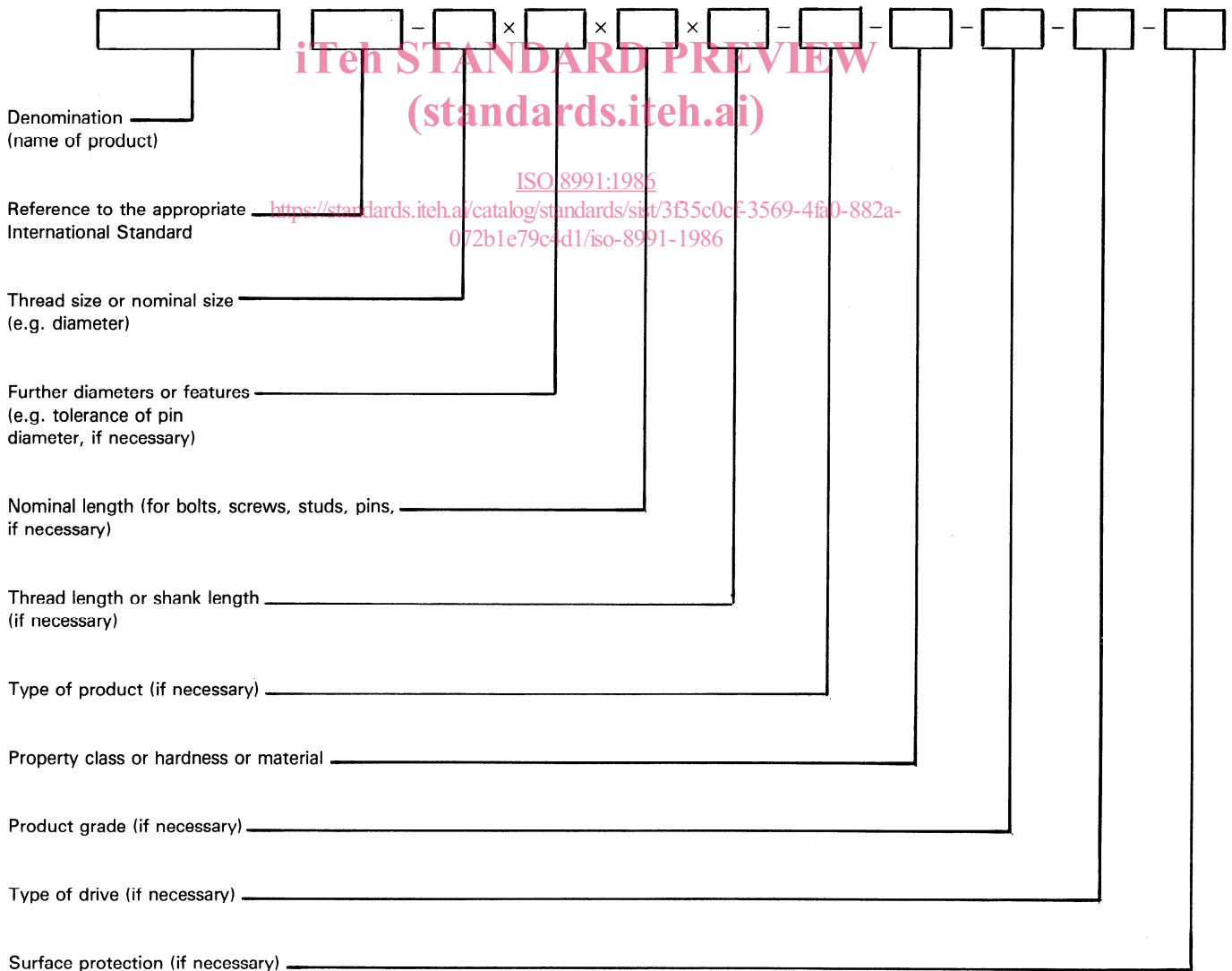
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Designation system for fasteners

1 Scope and field of application

This International Standard specifies a system for the designation of fasteners in product standards.

2 System



3 Examples

3.1 Example for the designation of a hexagon head bolt ISO 4014 with thread size $d = M12$, nominal length $l = 80$ mm and property class 8.8:

Hexagon head bolt ISO 4014 - M12 × 80 - 8.8

3.2 Example for the designation of a hexagon head screw ISO 8676 with thread size $d = M12$, and pitch 1,5, nominal length $l = 100$ mm and property class 10.9:

Hexagon head screw ISO 8676 - M12 × 1,5 × 100 - 10.9

3.3 Example for the designation of a hexagon head bolt ISO 4014 with thread size $d = M12$, nominal length $l = 80$ mm, property class 8.8, electroplated according to ISO 4042, symbol A2P:

Hexagon head bolt ISO 4014 - M12 × 80 - 8.8 - A2P

3.4 Example for the designation of a hexagon nut ISO 4032 with thread size $d = M12$ and property class 8:

Hexagon nut ISO 4032 - M12 - 8

3.5 Example for the designation of a hexagon thin nut ISO 4036 with thread size $d = M6$, made from steel with 110 HV min. (St):

Hexagon nut ISO 4036 - M6 - St

3.6 Example for the designation of a cross-recessed pan head tapping screw ISO 7049 with thread size ST3,5, nominal length $l = 16$ mm, cone end type C and recess type Z:

Tapping screw ISO 7049 - ST3,5 × 16 - C - Z

3.7 Example for the designation of an unhardened parallel pin ISO 2338 with nominal diameter $d = 6$ mm, tolerance m6, nominal length $l = 30$ mm, type A, made from steel (St):

Parallel pin ISO 2338 - 6m6 × 30 - A - St

3.8 Example for the designation of a normal series chamfered plain washer ISO 7090 of nominal size 8 mm, made from steel, of mechanical property 140 HV:

Washer ISO 7090 - 8 - 140 HV

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