

भारतीय मानक  
इस्पात के चूड़ीदार बंधकों के लिए तकनीकी पूर्ति शर्तें

भाग 16 बंधकों की अभिनाम प्रणाली

( तीसरा पुनरीक्षण )

*Indian Standard*

**TECHNICAL SUPPLY CONDITIONS FOR  
THREADED STEEL FASTENERS**

**PART 16 DESIGNATION SYSTEM FOR FASTENERS**

*( Third Revision )*

ICS 21.060.01

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**BUREAU OF INDIAN STANDARDS**  
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## NATIONAL FOREWORD

This Indian Standard (Part 16) (Third Revision) which is identical with ISO 8991:1986 'Designation system for fasteners' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Bolts, Nuts and Fasteners Accessories Sectional Committee and approval of the Basic and Production Engineering Division Council.

This standard was originally published in 1961 and subsequently revised in 1967 and 1979. This revision of the standard has been taken up to align it with ISO 8991:1986 by adoption under dual numbering system.

Designation of various fasteners are also given in product standards. This standard, however, sets out as system of sequence of designation for standard fasteners. Such a designation would assist in ordering requirements of fasteners even for those for which designations are not already covered in product standard.

The text of ISO Standard has been approved as suitable for publication as Indian Standard without deviations. Certain terminology and conventions are, however, not identical to those used in Indian Standards. Attention is drawn especially to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

*Indian Standard*

**TECHNICAL SUPPLY CONDITIONS FOR  
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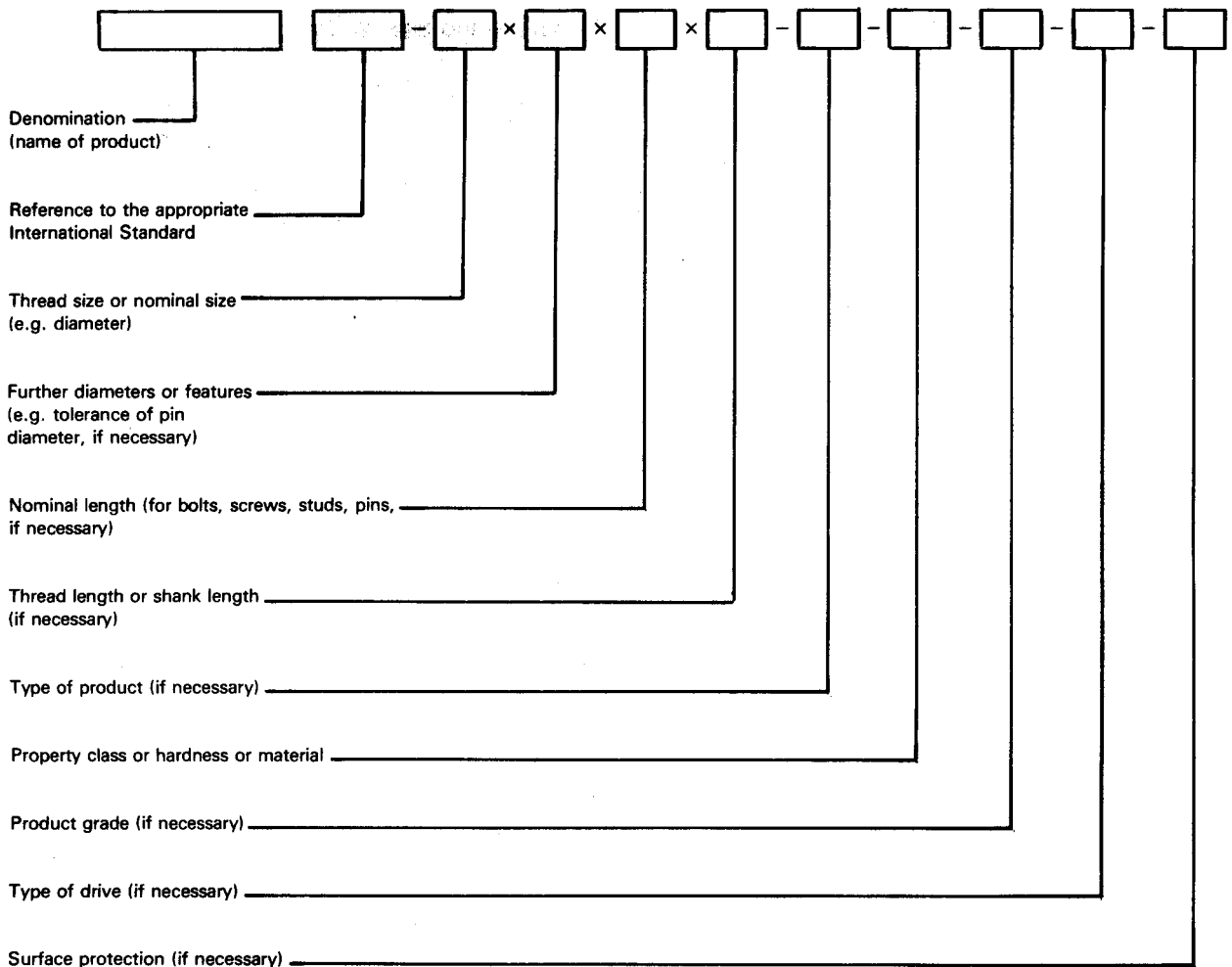
**PART 16 DESIGNATION SYSTEM FOR FASTENERS**

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**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**

## Bureau of Indian Standards

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Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

This Indian Standard has been developed from Doc: No. BP 33 (0268).

### Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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