



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 18230.6-2000

**Hexagon nuts for structural bolting, style 1, hot-dip galvanized
(oversize tapped) - Product grades A and B - Property classes
5, 6 and 8**

(English Translation)

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Table of Contents

Foreword	3
1 Scope	5
2 Normative references	5
3 Dimensions	6
4 Technical conditions and normative references	8
5 Proof load	8
6 Marks	9
7 Marking	9
Annex A (Normative) Extreme Dimension of 6AX Internal Thread	10

1 Scope

This Standard specifies the hexagon nuts for structural bolting - thread specification of M10 ~ M36, style 1, hot-dip galvanized according to GB/T 13912 or sherardized according to GB/T 5067, oversize tapped according to 6AX, property classes of 5, 6 and 8, product grade of A used for $d \leq M16$, and product grade of B used for $d > M16$.

If other technical requirements are required, it shall be selected from current standards (such as GB/T 196, GB/T 197, GB/T 3098.2, and GB/T 3103.1).

2 Normative references

The provisions contained in the following standards become part of this Standard, through the reference of this Standard. At the time of publication of this Standard, the shown versions of these standards are valid. All standards are subject to revision, and all parties who use this Standard are encouraged to investigate the possibility of applying the newest version of these standards.

GB/T 90-1985 Acceptance Inspection, Marking, and Packaging of Fasteners (eqv ISO 3269.1984)

GB/T 196-1981 General Purpose Screw Threads - Basic Dimensions for Diameter from 1 to 600 mm)

GB/T 197-1981 General Purpose Screw Threads - Tolerances and Fits for Diameter from 1 to 355 mm)

GB/T 1237-2000 The Markings of Fasteners (eqv ISO 8991.1986)

Annex A (Normative)

Extreme Dimension of 6AX Internal Thread

This Annex provides the extreme dimension of 6AX internal thread as adopted by the hot-dip galvanized nuts. Extreme dimensions provided in Table A1 are applicable to those hot-dip galvanized ones.

Table A1 Extreme Dimension of 6AX Thread mm

Thread specification

Large diameter m in

Medium diameter Small diameter max m in max m in

M10 10.310 9.516 9.336 8.986 8.686

M12 12.365 11.428 11.228 10.806 10.471

M14 14.420 13.333 13.121 12.630 12.255

M16 16.420 15.333 15.121 14.630 14.255

M20 20.530 19.130 18.906 18.274 17.824

M24 24.640 22.956 22.691 21.892 21.392

M30 30.750 28.757 28.477 27.521 26.961

M36 36.860 34.562 34.262 33.130 32.530

Note: After galvanized, nut's thread shall be tapped to above dimensions.

GB/T 18230.1-2000 | GB/T 18230.2-2000 | GB/T 18230.3-2000 | GB/T 18230.5-2000 |
GB/T 15389-2025 |