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NATIONAL STANDARD OF THE
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GB/T 798-2021

Replacing GB/T 798-1988

Eye Bolts

活节螺栓

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Foreword

This document was drafted in accordance with the rules in GB/T 1.1-2020 *Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents*.

This document serves as a replacement of GB/T 798-1988 *Eye Bolts*. In comparison with GB/T 798-1988, apart from structural adjustments and editorial modifications, the main technical changes are as follows:

- a) “NOTE: the variety of commodity fasteners shall be preferred” is deleted (see Chapter 1 of Version 1988);
- b) The specification range and Grade-C product dimensions are modified; Grade-A and Grade-B products are added (see Chapter 1 and Chapter 4; Chapter 1 and Chapter 3 of Version 1988);
- c) The quoted standards on bolts are unified as GB/T 193, GB/T 9145 and GB/T 9146 (see Table 3; Table 2 of Version 1988);
- d) The requirements for perpendicularity tolerance and symmetry tolerance are added (see Chapter 5);
- e) It is added that the universal technical conditions shall comply with GB/T 16983 (see Table 3);
- f) It is added that the technical requirements for the surface treatment of hot-dip galvanized layer shall comply with GB/T 5267.3 (see Table 3);
- g) It is added that the surface defects shall comply with GB/T 5779.1 (see Table 3).

Please be noted that certain content of this document may involve patents. The institution issuing this document does not undertake the responsibility of identifying these patents.

This document was proposed by China Machinery Industry Federation.

This document shall be under the jurisdiction of National Technical Committee 85 on Fasteners of Standardization Administration of China (SAC/TC 85).

The drafting organizations of this document: Ningbo Jiulong Fastener Manufacturing Co., Ltd.; China Productivity Center for Machinery; Zhejiang Greeway Machinery Co., Ltd.; Zhejiang Huifeng Autoparts Co., Ltd.; Wenling Luogang Machinery Co., Ltd.; Dingxi High Strength Fastener Co., Ltd.

This document shall be interpreted by National Technical Committee on Fasteners of Standardization Administration of China.

The issuing of the previous versions:

Eye Bolts

1 Scope

This document specifies the types, dimensions, technical conditions and designation of eye bolts.

This document is applicable to eye bolts with the thread specification of M5 ~ M39 and the product grade of Grade-A, Grade-B and Grade-C.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in this text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 3 Run-outs, Undercuts and Chamfers for General Purpose Metric Screw Threads

GB/T 90.1 Fasteners - Acceptance Inspection

GB/T 90.2 Fasteners - Marking and Packaging

GB/T 193 General Purpose Metric Screw Threads - General Plan

GB/T 1237 Designation System for Fasteners

GB/T 1800.1 Geometrical Product Specifications (GPS) - ISO Code System for Tolerances on Linear Sizes - Part 1: Basis of Tolerances, Deviations and Fits

GB/T 3098.1 Mechanical Properties of Fasteners - Bolts, Screws and Studs

GB/T 3098.6 Mechanical Properties of Fasteners - Stainless Steel Bolts, Screws and Studs

GB/T 3103.1 Tolerances for Fasteners - Bolts, Screws, Studs and Nuts

GB/T 5267.1 Fasteners - Electroplated Coatings

GB/T 5267.2 Fasteners - Non-electrolytically Applied Zinc Flake Coatings

GB/T 5267.3 Fasteners - Hot Dip Galvanized Coatings

GB/T 5276 Fasteners - Bolts, Screws, Studs and Nuts - Symbols and Descriptions of Dimensions

GB/T 5779.1 Fasteners - Surface Discontinuities - Bolts, Screws and Studs for General

Requirements

GB/T 9145 General Purpose Metric Screw Threads - Limits of Sizes for the Screw Threads of Medium Quality and Preferable Plan

GB/T 9146 General Purpose Metric Screw Threads - Limits of Sizes for the Screw Threads of Coarse Quality and Preferable Plan

GB/T 12362 Steel Die Forgings - Tolerance and Machining Allowance

GB/T 16938 Fasteners - General Requirements for Bolts, Screws, Studs and Nuts

3 Terms and Definitions

This document does not have terms or definitions that need to be defined.

4 Types and Dimensions

The types and dimensions of the bolts are shown in Figure 1, Table 1 and Table 2.

The symbols and descriptions of dimensions shall comply with GB/T 5276.

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