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British Standard

Mechanical properties of fasteners

**Part 2. Specification for nuts with
specified proof load values**

Caractéristiques mécaniques des éléments de fixation

Partie 2. Spécification pour les écrous ayant une charge d'épreuve spécifiée

Mechanische Eigenschaften von Befestigungsteilen

Teil 2. Spezifikation für Muttern mit vorgeschriebenen Prüflastwerten

British Standards Institution

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Foreword

This British Standard has been prepared under the direction of the Mechanical Engineering Standards Committee. It is one of a series of specifications, of which the full list is as follows:

- Part 1. Specification for bolts, screws and studs
- Part 2. Specification for nuts with specified proof load values
- Part 3. Specification for set screws and similar threaded fasteners not under tensile stresses.

This Part of this standard is based on ISO 898/2-1980 'Mechanical properties of fasteners — Part 2: Nuts with specified proof load values' published by the International Organization for Standardization (ISO). With the following major exceptions, its technical content agrees with ISO 898/2:

All information concerning nominal thread diameters above 39 mm has been excluded to maintain alignment with Part 1 of this standard.

In table 1, the mating bolt of property class 8.8 has been excluded for use with a property class 9 nut.

Table 5 has been altered to indicate the heat treatment requirements and the nut styles applicable to the nominal sizes while the property class 9 nut has been restricted to a maximum size of 16 mm to agree with the summary given in table 12 of appendix A. All reference to the Rockwell hardness values has been excluded.

In table 7 the proof load values for grade 9 nuts for sizes M18 and greater have been deleted to maintain alignment with table 5.

Editorial changes have been made to appendix A to maintain correct cross-references to the main body of the standard.

Compliance with a British Standard does not of itself confer immunity from legal obligations.