

Draft Sri Lanka Standard
HEXAGON BOLTS FOR GENERAL PURPOSES
Part 4 - Dimensions of product grades A and B - Fine pitch thread

SLS 977 : Part 4 : 1992

Gr.

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FOREWORD

This standard was approved by the Sectoral committee on Metal and Metal Products and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on

Since there are several types of bolts used for different applications, a series of standards have been formulated on hexagon bolts to fall in line with the international standards published by the International standards published by the International Organization for Standardization (ISO). These standards comprise of the following:

Hexagon bolts for general purposes

- Part 1 Dimensions of Product Grades A and B
- Part 2 Dimensions of Product Grade C
- Part 3 Dimensions of Product Grade B - Reduced shank
- Part 4 Dimensions of Product Grade A and B - Fine pitch thread
- Part 5 General Requirements

There are three grades of hexagon bolts as follows, the grading being according to the range of tolerances:

- a) Grade A - Most precise
- b) Grade B - Semi precise
- c) Grade C - Least precise.

This part deals with product Grades A and B only. Part 5 of this standard specifies the grading of hexagon bolts.

For the purpose of deciding whether a particular requirement of this standards is complex with the final value, observed or calculated, expressing the result of a test or an observation shall be rounded off in accordance with CS 102. The number of figures to be retained in the rounded off value shall be the same as that of the specified value in this standard.

The Sri Lanka Standards Institution gratefully acknowledges the use of the following publication of the International Organization for Standardization in the preparation of this standard:

- ISO 8765 Hexagon head bolts with metric fine pitch thread-
Product grades A and B.

1 SCOPE

This standard specifies dimensions for hexagon head bolts of product Grades A and B - Fine pitch thread. For Product Grade A, the thread diameters covered range from M 8 to M 64 and nominal lengths upto and including 10 d or 150 mm whichever is shorter. For Product Grade B thread diameters include over M 64, and nominal lengths over 10 d or 150 mm whichever is shorter.

2 REFERENCES

CS 102 Presentation of numerical value
SLS 268 ISO metric screw threads

3 GRADES

The grades of hexagon bolts covered in this part shall be Product Grades A and B (see Foreword).

4 DIMENSIONS

4.1 Bolt

Dimensions of hexagon bolts shall be as given in Table 1 and Table 2 (see Fig. 1)

4.2 Thread

4.2.1 The thread shall be ISO fine metric screw thread as specified in SLS 268.

4.2.2 Tolerance on screw thread shall conform to Class 6g as specified in SLS 268 Part 4.