

29.9.98

SPECIFICATION FOR PACKING OF FASTENERS

1.0 SCOPE

This specification sets out a procedure for packing of the threaded fasteners to keep protected against transportation, handling and storage hazards. Fasteners particularly threaded ones, like bolts, nuts, screws and studs have some special features which must be kept protected for use at the ultimate destination to be supplied with suitable identification marking of the packages.

2.0 GENERAL

- 2.1 The fasteners should be marketed in the packed condition only.
- 2.2 The fasteners without any surface protection shall be covered with a suitable anti-corrosion agent before being packed.
- 2.3 For identification, the packages shall always carry suitable tags or labels.
- 2.4 In a single packing unit, only fasteners of the same designation, mechanical properties and quality characteristics shall be packed.
- 2.5 Collective packages may be used for a number of unit packed in a common bigger container provided the separately packed fasteners product can be identified easily by means of their labels or tags.
- 2.6 Packages shall be made in such a way that they are protected against mechanical damages in transit and storage.
- 2.7 The external dimensions of the unit package shall conform to IS:8470-1977 (Dimensions of rigid rectangular) to permit utilisation for easy handling in transportation.

3.0 TYPES OF PACKING

- 3.1 Generally, the fasteners are supplied in boxes, crates, cartons or bags. The packing materials used shall be as under:-

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3.1.1 Material for primary packing:

Grease proof paper conforming to IS:6622-1972 (Specification for grease proof paper)

3.1.2 Boxes, Grates and Cortons:

Wooden boxes or crates conforming to IS:1503-1988 (wooden packing cases), fibre board box conforming to IS:2771 (Part-I) 1990 (Specification for fibre board boxes: part-I corrugated fibre to be board boxes), metal crate.

3.1.3 Bags:

Jute bags.

3.2 No polythene/poly packing will be used for packing of items and wooden packing will be avoided.

3.3 Bags shall be used only for grade 'C' fasteners (see IS:1367 Part-II 1979) Technical supply conditions for threaded steel fasteners Part-II Product grades and Tolerances.

3.2.1 The number of items in a bag shall be such that the net mass of the bag does not exceed 50 kg.

3.3 Grades 'A' and 'B' fasteners (see IS:1367 (Part-II) 1979 shall be packed in a cartons/boxes in numbers selected from the following values.

10, 20, 50, 100, 200, 500 and if required larger quantity multiples of 500.

3.4 The mass of a single pack shall not exceed the following

Mass in kg.

Paper bag	3 Kg.
Box or carton of fibre board.	5 Kg.
Metal crate or portion	40 Kg.
Wooden crate on box	50 Kg. (Net)

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4.0 PACKAGE MARKING

4.1 The packages shall be marked clearly and legibly with the following information.

- a) The product designation,
- b) A pictorial representation of the product, where possible,
- c) Total number of pieces in the package,
- d) Net mass of the package, and
- e) Name or identification symbol of the manufacturer.

4.2 The label or tag shall be placed on the package in such a way that the package can be identified easily during transportation and storage. It should be fixed on the package as is customary and shall be removal with difficult only.

4.3 Distinctive colour marking shall be used for the packing as under:-

Property class (see IS:1367 (Part-III))

BOLTS & SCREW NUTS COLOUR OF THE PANEL

Upto 6.6	5	Green
8.8	8	Red
10.9	10	Blue
12.9	12	Yellow

In the preparation of this standard assistance has been derived from IS:9141-1979 code of practice for packaging of fasteners.

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