



CORPORATE STANDARD

AA 712 41 02

Rev. No. 06

PAGE 1 OF 3

SCREWS, SLOTTED, CHEESE HEAD, PRODUCT GRADE 'A' COARSE PITCH, STEEL, PROPERTY CLASS 4.8 (M1.6 - M10)

1.0 DESIGNATION:

A slotted, cheese head, product Gr. A steel screw of size M10, length 40 mm, coarse pitch and of property class 4.8 shall be designated as:

1.1 On drawings:

- i) Material specification column : AA 712 41 02.
- ii) Description column : SCRU SLT CHS A M10X40 - 4.8

1.2 On indents:

Screws Slotted Cheese Head, A M 10X40 - 4.8; AA 712 41 02.

1.3 For issuing enquiries and on purchase orders:

While issuing enquiries and purchase orders, delete BHEL standard number from the above description and add the information given under clause 2.

2.0 COMPLIANCE WITH STANDARDS:

2.1 Dimensions, Tolerances & General Requirements:

As per IS 1366 - 2002, Table - 1.

2.2 Mechanical properties:

To conform to property class 4.8 as specified in Table-3 of IS 1367, Part 3-2002.
Permissible hardness 124-250 HB for sizes M1.6 to M10

2.3 Threads:

Pitch-coarse to IS:4218, Part 2-1976.
Tolerance quality - Medium.
Tolerance class - 6g.

2.4 Finish: Plated as specified in BHEL order.

Revisions :

Cl. 25.7.18 of MOM of WG-F

APPROVED :

INTERPLANT
STANDARDIZATION COMMITTEE (WG-F)

Rev. No. 06

Amd.No.

Prepared

Issued

Dt. of 1st Issue

Dt:01.10.2004

Dt :

Year :

BHOPAL

Corp. R&D

January, 1977

**3.0 NOTE:**

- 3.1** Length and diameter combination (refer Table on page 3 of 3) between the bold lines should only be used.
- 3.2** Sizes to the left side of the dotted lines are threaded upto the head.
- 3.3** For screw threads, general (Metric) refer to BHEL standard AA 023 18 00.
- 3.4** For tolerance grade, position and class refer to BHEL standard AA 023 02 01.
- 3.5** For slotted, cheese head, brass screw refer to BHEL standard AA 712 41 05.
- 3.6** Screws to this standard would be unplated, divisions wishing to have plated screws would have to get them plated.
- 3.7** Weights given in this standard are for general reference only and are not for commercial transactions.
- 3.8** When fasteners are to be tested with in BHEL, sampling and acceptance plan as per IS:1367, Part 17.

4.0 REFERRED STANDARDS (Latest publications including amendment):

- | | | | |
|-----------------|----------------------|--------------------|-----------------|
| 1) IS:1366 | 2) IS:1367 (Pt 3&17) | 3) IS: 4218 (Pt.2) | 4) AA 023 02 01 |
| 5) AA 023 18 00 | 6) AA 023 18 50 | 7) AA 023 18 52 | 8) AA 712 41 05 |

EXPLANATORY NOTE:**The following changes have been made in this revision:**

- In CL 2.1, year of IS:1366 is modified as 2002.
- In Cl 2.2, year of IS:1367, part 3 is modified as 2002.

