



CORPORATE STANDARD

AA 714 11 02

Rev. No. 06

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STUDS, PRODUCT Gr.A, TYPE - A, COARSE PITCH, STEEL, PROPERTY CLASS 6.8 (M3-M36)

1.0 DESIGNATION:

A product Gr.A steel, stud, Type-A, (for use in steel), thread M10 nominal length 35mm coarse pitch and conforming to property class 6.8 shall be designated as :

1.1 On drawings:

- i) Material specification column : AA 714 11 02.
- ii) Description column : STUD A M10X35-6.8

1.2 On indents:

Stud A M10X35-6.8: AA 714 11 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 2.0.

2.0 COMPLIANCE WITH STANDARDS:

2.1 Dimensions, tolerances and general requirements:

As per IS:1862-1975, RA 2006, Table 1&2, Type-A.

2.1.1 If nominal length of stud less than the summation of the thread length 'b' and thread run out 'X' the value of the length 'b' shall reckoned as follows. The value of thread run out 'X' shall be as per IS:1369, Part 1.

$b = L - (X + 2)$ for sizes upto and including M10

$b = L - (X + 3)$ for sizes above M10 upto M16

$b = L - (X + 4)$ for sizes above M16 upto M20

$b = L - (X + 5)$ for sizes above M20

2.2 Mechanical Properties:

To conform to property class 6.8 as specified in Table-3 of IS: 1367, Part 3.

2.3 Threads:

Metal End: Pitch coarse to IS:4218, Part 2
Interference for threads (External) as stated in IS:2186

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

Revisions:As per email dated 18-01-2010
from Lalit Kumar of TSX,HW

APPROVED :
INTERPLANT STANDARDIZATION
COMMITTEE - (WG-F)

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**2.4 Identification Marking:**

As per clause 9 of IS:1367, Part 3

2.5 Finish: Plated as specified in BHEL order.

3.0 NOTE:

3.1 Length and diameter combination (refer to Table on Page 3 of 4) between the bold line should only be used.

3.2 For studs Type-B, refer to BHEL standard AA 714 11 05.

3.3 Studs to the standard would be unplated, divisions wishing to have plated studs would have to get them plated.

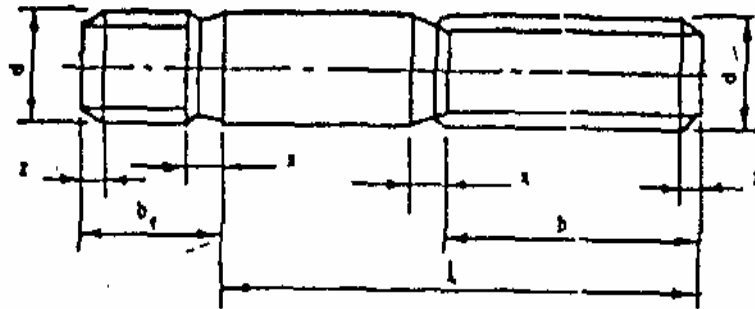
3.4 Weights given in this standard are for general references only and are not meant for commercial transactions.

3.5 When fasteners are to be tested with in BHEL, the sampling and acceptance plan shall be as per IS:1367, part 17.

4.0 REFERRED STANDARDS (Latest publications including amendment):

- | | | | |
|--------------------|------------------|---------------|---------------|
| 1) IS:1367 Pt.3&17 | 2) IS: 1369 Pt.1 | 3) IS:1862 | 4) IS: 2186 |
| 5)IS: 4218, Pt 2 | 6) AA 0231850 | 7) AA 0231852 | 8) AA 7141105 |

Fig. 1 - FOR DIMENSIONS



- FOR X SEE NOTE-3
- FOR Z SEE NOTE-4

FIG - 2 FOR TOLERANCES

