



**PLANT STANDARD
HYDERABAD**

HY7151199

REV. NO. 00

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**NUTS, HEXAGON, PRODUCT GRADE 'B' COARSE PITCH,
STEEL, PROPERTY CLASS 8 (M20 - M64)**

1.0 DESIGNATION:

A product Grade 'B' hexagon steel nut, nominal diameter 24 mm, coarse pitch and conforming to property class 8 shall be designated as:

1.1 On drawings:

- i) Material specification column: HY 715 11 99.
- ii) Description column: NUT HEX B M24 - 8.

1.2 On indents:

Nut Hex B M24 – 8 : HY 715 11 99.

1.3 For issuing enquiries and on purchase orders:

While issuing enquiries and purchase orders, delete the plant standard no. from the above description and add the information given under clause 2.0.

2.0 COMPLIANCE WITH STANDARDS:

2.1 Dimensions, Tolerances & General Requirements:

To IS: 1364, Part 3 (Table-1) – 2002/Reaffirmed 2007.

2.2 Mechanical Properties:

To conform to property class 8 as specified in IS:1367 (Pt. 6).

2.3 Threads:

Pitch - coarse as per IS: 4218 Pt. 2).
 Tolerance quality - Medium.
 Tolerance class - 6H.

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2.4 Identification Marking :

As per clause 9 of IS: 1367 (Pt. 6).

2.5 Finish:

As specified in BHEL order.

3.0 NOTE:

3.1 For screw threads general (Metric) refer to standard AA 023 18 00.

3.2 For tolerance grade, position and class refer to standard AA 023 02 01.

3.3 For sampling & acceptance refer to IS: 1367 (Pt. 17).

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

3.5 Referred Standards (Latest publications including amendment):

- | | | |
|--------------------|--------------------|----------------------|
| 1) IS: 1364 (Pt.3) | 2) IS:1367 (Pt. 6) | 3) IS: 1367 (Pt. 17) |
| 4) AA 023 18 00 | 5) AA 023 02 01 | |

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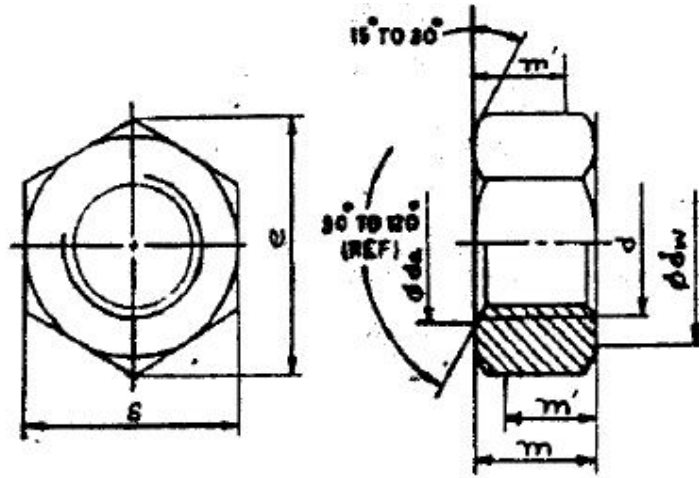


Table - 1

All dimensions in mm

SIZE	FLATS		CORNERS	THICKNESS		THREADING		HEIGHT	CONTACT FACE	SUB-CODE
	d	S	e	m		da		m'	dw	
Nom.	Max.	Min.	Min.	Max.	Min.	Max.	Min.	Min.	Min.	Weight
M20	30	29.16	32.95	18.0	16.9	21.6	20.0	13.5	27.7	997
										64.5
M24	36	35	39.55	21.5	20.2	25.9	24.0	16.2	33.3	989
										110.0
M27Δ	41	40	45.2	23.8	22.5	29.1	27.0	18.0	38.0	954
										166
M30	46	45	50.85	25.6	24.3	32.4	30.0	19.4	42.8	970
										231
M33Δ	50	49	55.37	28.7	27.4	35.6	33.0	21.9	46.6	962
										269
M36	55	53.8	60.79	31.0	29.4	38.9	36.0	23.5	51.1	946
										396
M39Δ	60	58.8	66.44	33.4	31.8	42.1	39.0	25.4	55.9	938
										430
M42	65	63.1	71.3	34.0	32.4	45.4	42.0	25.9	60	636
M48	75	73.1	82.6	38.0	36.4	51.8	48.0	29.1	69.5	949
M64	95	92.8	104.86	51.0	49.1	69.1	64.0	39.3	88.2	1930

NOTE: Indicated with ' Δ ' are Non-Preferred sizes.