NUTS HEXAGON, PRODUCT Gr.A & Gr.B COARSE PITCH, STEEL, PROPERTY CLASS 8 ELECTRO GALVANISED (M3 – M36)

1.0 DESIGNATION:

A product Gr.A hexagon, steel nut, nominal diameter 10mm coarse pitch and conforming to property class 8 shall be designated as :

1.1 **On Drawings**: i) Material specification column - HY 715 11 89.
ii) Description column- NUT HEX A M10-8 ELCTR GLVNZ.

1.2 **On Indents:** Nut Hex A M10 – 8 HY 715 11 89.

1.3 **For Issuing Enquires and on Purchase Orders:** While is using enquiries and purchase orders, the information given under clause 3 or a copy of the standard shall be mentioned / enclosed

2.0 MATERIAL:

Nuts shall be made of steel with minimum proof load stress for finished nut as per IS:1367 (Pt.6) and such that finished nuts correspond to property class 8.

3.0 COMPLIANCE WITH NATIONAL STANDARDS:

3.1	**Dimensions, Tolerances & General Requirements**	:	To IS:1364 (Pt.3)-2002
3.2	**Mechanical Properties**	:	To conform to property class 8.8 as specified in Table-4 of IS:1367 (Pt.6)-1994
3.3	**Threads**	:	Pitch-Coarse to IS:4218 (Pt.2)-2001 Tolerance quality – Medium. Tolerance class-6H.
3.4	**Identification and marking**	:	As stated in clause 3 of IS:1367 (Pt.18)-1996.
3.5	**Finish**	:	Electro Galvanised 15µ as per AA 0673602

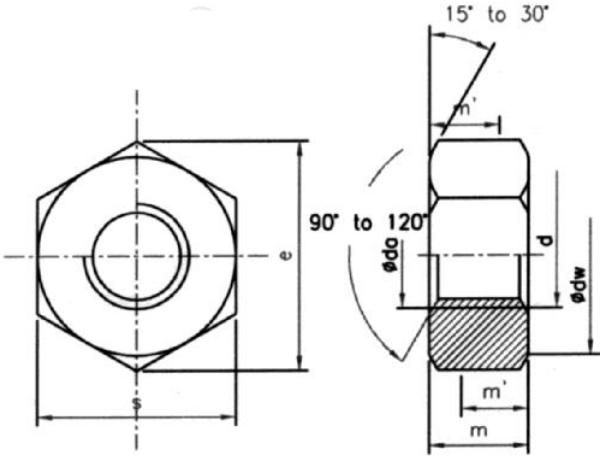
4.0 **NOTE :**

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

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

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

Revisions:			**Issued :** STANDARDS ENGINEERING DEPARTMENT		
Rev. No. 02	Amd. No.	Reaffirmed:	**Prepared:**	**Approved:**	**Dt. of 1st issue:**
Dt. FEB. 2006	Dt.	Year:	VNR, KLR	MANAGER/TS	JUL., 1980



All dimensions are in mm,

Size d Nom.	Flats S		Corners e min.	Thickness m		Wrench-ing Height m' min	dw min.	da		Weight	Sub code
	max.	min.		max	min.			min.	min.		
M3	5.5	5.32	6.01	2.40	2.15	1.7	4.6	3.0	3.45	0.38	133
M4	7.0	6.78	7.66	3.2	2.90	2.3	5.90	4.0	4.60	0.81	141
M5	8.0	7.78	8.79	4.7	4.40	3.5	6.90	5.0	5.75	1.24	150
M6	10.0	9.78	11.05	5.20	4.90	3.9	8.90	6.0	6.75	2.51	010
M8	13.0	12.73	14.38	6.8	6.44	5.2	11.6	8.0	8.75	5.40	028
M10	16.0	15.73	17.77	8.4	8.04	6.4	14.6	10.0	10.80	-	168
(M10)	17.0	-	18.90	8.0	-	-	-	-	-	11.6	036
M12	18.0	17.73	20.03	10.8	10.37	8.30	16.6	12.0	13.0	-	176
(M12)	19.0	-	21.10	10.0	-	-	-	-	-	17.2	044
M16	24.0	23.67	26.75	14.8	14.10	11.3	22.5	16.0	17.3	33.5	052
M20	30.0	29.16	32.95	18.0	16.9	13.5	27.7	20	21.6	64.5	060
M24	36.0	35.0	39.55	21.5	20.2	16.2	33.3	24	25.9	110.0	079
M30	46.0	45.0	50.85	25.6	24.3	19.4	42.8	30	32.4	230.0	095
M36	55.0	53.8	60.79	31.0	29.4	23.5	51.1	36	38.9	396.0	125

NOTE: 1. Plant sub-code nos. are shown in the table.
2. Weights have been shown in kg. per 1000 Nos.