

## METRIC HEXAGON NUTS

Threads ISO Metric Coarse  
Pitch Series. Class 6H.

These nuts are stocked in  
Property Class 8 M5 to M16 incl;  
Property Class 5 M20-M64 incl.

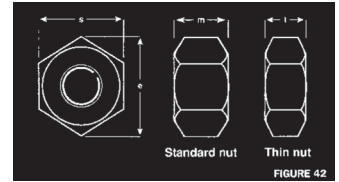
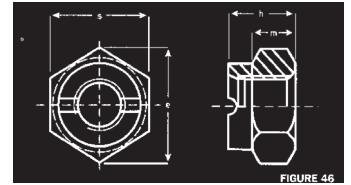


Table 52

Size	Pitch of Thread	Width Across Flats s		Width Across Corners e		Thickness		
						Standard Nut m		Thin Nut t
		Max.	Min.	Max.	Min.	Max.	Max.	Min.
M5	0.8	8.0	7.78	8.79	4.70	4.40	3.0	2.75
M6	1.0	10.0	9.78	11.05	5.20	4.90	3.6	3.30
M8	1.25	13.0	12.73	14.38	6.80	6.44	4.8	4.50
M10	1.50	16.0	15.73	17.77	8.40	8.04	6.0	5.70
M12	1.75	18.0	17.73	20.03	10.80	10.37	7.2	6.84
M16	2.0	24.0	23.67	26.75	14.80	14.10	9.6	9.02
M20	2.5	30.0	29.16	32.95	18.00	16.90	12.0	11.30
M24	3.0	36.0	35.00	39.55	21.50	20.20	14.4	13.70
M27	3.0	41.0	40.00	45.20	23.80	22.50	16.2	15.50
M30	3.5	46.0	45.00	50.85	25.60	24.30	18.0	17.30
M33	3.5	50.0	49.00	55.37	28.70	27.40	19.8	18.96
M36	4.0	55.0	53.80	60.79	31.00	29.40	21.6	20.76
M39	4.0	60.0	58.10	65.65	33.40	31.80	23.4	22.56
M42	4.5	65.0	63.10	71.30	34.8	33.20	25.2	24.36
M48	5.0	75.0	73.10	82.60	38.8	37.20	28.8	27.96
M56	5.5	85.0	82.80	93.56	45.8	44.20	–	–
M64	6.0	95.0	92.80	104.86	52.0	50.10	–	–

All dimensions in millimetres.

## NYLOC NUTS UNC/UNF



**Table 58**

Nom. Dia.	Threads per inch		s		e	h		m	
			Across Flats		Across Corners	P TYPE		T TYPE	
	UNC	UNF	Max.	Min.	Max.	Nut Height	Hex Height	Nut Height	Hex Height
						Max.	Ref.	Max.	Ref.
1/4	20	28	0.439	0.430	0.488	0.328	0.225	0.240	0.128
5/16	18	24	0.502	0.492	0.557	0.359	0.250	0.265	0.158
3/8	16	24	0.564	0.553	0.628	0.468	0.335	0.348	0.220
7/16	14	20	0.627	0.615	0.698	0.468	0.324	0.328	0.225
1/2	13	20	0.752	0.741	0.840	0.609	0.464	0.328	0.190
9/16	12	18	0.877	0.865	0.982	0.656	0.469	-	-
5/8	11	18	0.940	0.928	1.051	0.765	0.593	0.406	0.265
3/4	10	16	1.064	1.052	1.191	0.890	0.742	0.421	0.288
7/8	9	14	1.312	1.269	1.447	1.022	0.758	0.484	0.340
1	8	12	1.500	1.450	1.615	1.098	0.858	0.578	0.405
1 1/8	7	12	1.688	1.631	1.826	1.224	0.949	-	-
1 1/4	7	12	1.875	1.812	2.038	1.365	1.040	0.765	0.523
1 1/2	6	12	2.250	2.175	2.416	1.618	1.255	0.828	0.565
1 3/4	5	12	2.750	2.662	3.035	2.052	1.689	1.302	0.939
2	4.5	12	3.125	3.025	3.449	2.367	1.935	1.492	1.060
1 3/4	5	12	2.580	2.520	2.98	1.625	1.565	1.160	1.083
2	4.5	12	2.760	2.700	3.19	1.750	1.690	1.250	1.166

*Mechanical Properties:*

UNC P Type	1/4 – 3/4	Proof Load Stress 120,000 tonf/in <sup>2</sup> (827 MPa)	AS 2465 G5
UNC P Type	1/8 – 2	Proof Load Stress 90,000 tonf/in <sup>2</sup> (621 MPa)	AS 2465 G2
UNF P Type	1/4 – 3/4	Proof Load Stress 109,000 tonf/in <sup>2</sup> (952 MPa)	AS 2465 G5
UNF P Type	1/8 – 2	Proof Load Stress 90,000 tonf/in <sup>2</sup> (621 MPa)	AS 2465 G2
UNC T Type	1/4 – 1 1/2	Proof Load Stress 72,000 tonf/in <sup>2</sup> (496 MPa)	
UNC T Type	1/4 – 1 1/2	Proof Load Stress 165,000 tonf/in <sup>2</sup> (448 MPa)	