

Table 30. American National Standard Prevailing-Torque Metric Hex Flange Nuts
ANSI B18.16.3M-1998

NOTE: SIZE, SHAPE AND LOCATION OF THE PREVAILING-TORQUE ELEMENT OPTIONAL

15 DEG/30 DEG

Nominal Dia. and Thread Pitch	Width Across Flats, S		Width Across Corners, E		All Metal Type ^a		Top Insert Type	Flange Dia., D_c		Bearing Circle Dia., D_b		Flange Edge Thickness, C		Flange Top Fillet Radius, R	
					Thickness, M (All Nut Property Classes)										
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
M6 × 1	10.00	9.78	11.55	11.05	7.30	5.70	8.80	8.00	14.2	12.2	1.1	0.4			
M8 × 1.25	13.00	12.73	15.01	14.38	9.40	7.60	10.70	9.70	17.9	15.8	1.2	0.5			
M10 × 1.5	15.00	14.73	17.32	16.64	11.40	9.60	13.50	12.50	21.8	19.6	1.5	0.6			
M12 × 1.75	18.00	17.73	20.78	20.03	13.80	11.60	16.10	15.10	26.0	23.8	1.8	0.7			
M14 × 2	21.00	20.67	24.25	23.35	15.90	13.30	18.20	17.00	29.9	27.6	2.1	0.9			
M16 × 2	24.00	23.67	27.71	26.75	18.30	15.30	20.30	19.10	34.5	31.9	2.4	1.0			
M20 × 2.5	30.00	29.16	34.64	32.95	22.40	18.90	24.80	23.50	42.8	39.9	3.0	1.2			

^a Also includes metal nuts with nonmetallic inserts, plugs, or patches in their threads.

All dimensions are in millimeters.