

Excerpts from JIS B 1181 (1995) Excerpts from JIS B 1351 (1987)

2. Shape and Dimensions of Hexagon Nuts Style II (Parts Grade A)



Nominal of Thread d	M5	M6	M8	M10	M12	(M14)	M16
Pitch P	0.8	1	1.25	1.5	1.75	2	2
c	Max.	0.5	0.5	0.6	0.6	0.6	0.8
	Min.	0.15	0.15	0.15	0.15	0.15	0.2
da	Min.(Reference Dimension)	5	6	8	10	12	14
	Max.	5.75	6.75	8.75	10.8	13	15.1
dw	Min.	6.9	8.9	11.6	14.6	16.6	19.6
	Max.	8.79	11.05	14.38	17.77	20.03	23.35
m	Max.(Reference Dimension)	5.1	5.7	7.5	9.3	12	14.1
	Min.	4.8	5.4	7.14	8.94	11.57	13.4
m'	Min.	3.84	4.32	5.71	7.15	9.26	10.7
	Max.(Reference Dimension)	8	10	13	16	18	21
s	Min.	7.78	9.78	12.73	15.73	17.73	20.67
	Max.(Reference Dimension)						23.67

Reference 1. Nominal of thread in brackets should not be used unless it is absolutely necessary.

2. The shape of nuts, unless otherwise designated, shall be "double chamfered", and the "washer faced" shall be as designated by the purchaser.

Chamfering for the "washer faced" threads shall based on the chamfered dimensions for "double chamfered".

*With some of the hexagon bolts and hexagon nuts for M10 and M12 distributed at present, the opposite side S is based on JIS prior to the revision.

3.Shape and Dimensions of Cotter Pins

[illegible]

Reference

1. The nominal diameter is dependent on the diameter of the pin hole.
2. d is a value for a spot somewhere between the end and the $\ell/2$ spot.
3. The end may be pointed or flat. If a pointed end or a flat one is needed, it should be specified.
4. The length (ℓ) should be one enclosed by thick lines. The value in an enclosed area is a tolerance. If the required r-value is not given in the table, it should be specified by the ordering side.
5. The head must not tilt excessively from the axial center.