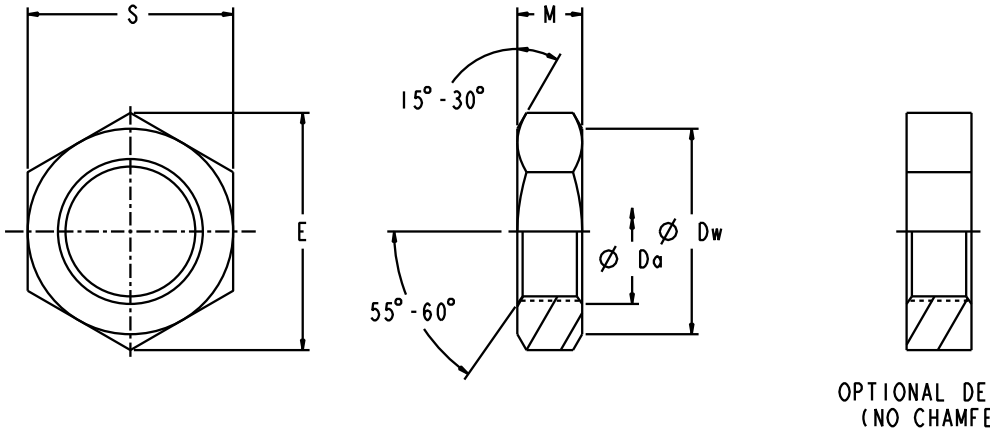
HEXAGON LOCK NUTS
ISO METRIC THREAD

(Printed Copies are Uncontrolled)

PROPERTY CLASS 4D
THREAD COARSE
TOLERANCE CLASS 6H



Projection: Iso Method E
Conforms to ISO 4035 (2012)

Table 1: Hexagon Lock Nut Dimensions
Dimensions are in millimeters

Number	Nom Size D_1	Pitch P	D_2	E		M		S	
			Min	Min	Min (Optional Form)	Max (Nom)	Min	Max (Nom)	Min
26DM8	**M8**	**1.25**	**11.6**	**14.38**	**14.20**	**4**	**3.70**	**13**	**12.73**
26DM10	**M10**	**1.5**	**14.6**	**17.77**	**18.72**	**5**	**4.70**	**16**	**15.73**
26DM12	**M12**	**1.75**	**16.6**	**20.03**	**---**	**6**	**5.70**	**18**	**17.73**
26DM14	M14	2	19.6	23.36	---	7	6.42	22	21.87
26DM16	**M16**	**2**	**22.5**	**26.75**	**---**	**8**	**7.42**	**24**	**23.67**
26DM18	M18	2.5	24.9	29.56	---	9	8.42	27	26.16
26DM20	**M20**	**2.5**	**27.7**	**32.95**	**---**	**10**	**9.10**	**30**	**29.16**
26DM22	M22	2.5	31.4	37.29	---	11	9.90	32	31.00
26DM24	**M24**	**3**	**33.2**	**39.55**	**---**	**12**	**10.90**	**36**	**35.00**
26DM27	M27	3	38.0	45.20	---	13.5	12.40	41	40.00
26DM30	**M30**	**3.5**	**42.8**	**50.85**	**---**	**15**	**13.90**	**46**	**45.00**
26DM33	M33	3.5	46.6	55.37	---	16.5	15.40	50	49.00
26DM36	**M36**	**4**	**51.1**	**60.79**	**---**	**18**	**16.90**	**55**	**53.80**
26DM39	M39	4	55.9	66.44	---	19.5	18.20	60	58.80
26DM42	**M42**	**4.5**	**60.0**	**71.30**	**---**	**21**	**19.70**	**65**	**63.10**
26DM45	M45	4.5	64.7	76.95	---	22.5	21.2	70	68.10
26DM48	**M48**	**5**	**69.5**	**82.60**	**---**	**24**	**22.7**	**75**	**73.10**
26DM52	M52	5	74.2	88.25	---	26	24.7	80	78.10

Note: Part numbers in **blue bold type** *indicate preferred sizes.*

Part Number Formula
The digits after the "M" show the nominal thread diameter.

Example: 26DM24

These nuts only to be used as lock nuts.

General
Nuts shall be chamfered on both sides. For sizes M8 and M10 the manufacturer has the option of no chamfers. The threaded hole shall be countersunk at the bearing surfaces at an angle of 120° to clear the major diameter of the thread. The bearing surfaces shall be at right angles to the axis of the thread within a tolerance of 1° for sizes up to M27 and within 1/2° for M30 and larger. The wrench flats shall be at right angles to the bearing surfaces within a tolerance of ±2° of the thread hole shall be concentric with the axis of the nut within the tolerances in Table 2.

Table 2

Nom Size	M8-M10	M12-M20	M22-M33	M36-M52
Tolerance	.43	.52	.62	.74

Thread Designation
The thread shall be ISO metric coarse thread of tolerance class 6H.

Thread Tolerances
For thread data and tolerances refer to Data Sheet M2 "ISO Metric Screw Threads, Class 6H/6g Coarse Threads". The tolerances apply to unplated nuts and to plated nuts after plating. Plated threads shall not transgress the basic diameters, tolerance position "H".

Material
The material shall be steel to meet the mechanical properties(Grade 4D) specified below:

Hardness (BrineII)HBmin 110kp/mm²max 302 kp/mm²
Hardness (Rockwell)HRBmin 63
HRCmax 30

The lock nuts shall not be subject to proof load tests.

Note: As yet the International Organization of Standardization ISO has not laid down mechanical property specifications for nuts with usable thread lengths less than .6 times the nominal thread diameter. For this reason the DIN specification for hardness limits is used to define the properties of these lock nuts.

Identification
Nuts may be coded at the option of the manufacturer to show the mechanical properties, preferably with "4D" or in accordance with the code as standardized in the country of manufacture.

Identification marks on the face of nuts shall not be in raised characters.

Defects
Nuts shall be free from burrs, seams, laps, loose scale, irregular surfaces, etc., which affect serviceability.

Protective Treatment
Plated per Bobcat Standard PS-P.