



Prevailing Torque Type All Metal Hexagon Nuts Style 2 Product Grade A

1 Introduction

Note: Nothing in this standard supercedes applicable laws and regulations.

Note: In the event of conflict between the English and domestic language, the English language shall take precedence.

1.1 Purpose. This standard gives specifications for prevailing torque type all-metal hexagon nuts with thread diameters from M5 to M12. Basis for this standard is ISO 7042.

1.2 Applicability. This nut is applicable for use in a wide variety of automobile applications.

2 References

Note: Only the latest approved standards are applicable unless otherwise specified.

2.1 External Standards/Specifications.

IATF 16949	ISO 965-1	ISO 2320	ISO 6157-2
ISO 724	ISO 1502	ISO 4759-1	ISO 7042
ISO 898-2			

2.2 GM Standards/Specifications.

GMW3059

2.3 Additional References. Not applicable.

3 Requirements

3.1 Dimensions. See Figure 1, Figure 2 and Table 1.

Figure 1: Hexagon Lock Nut, All-Metal

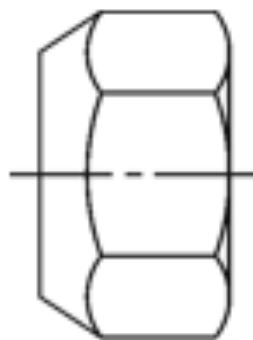
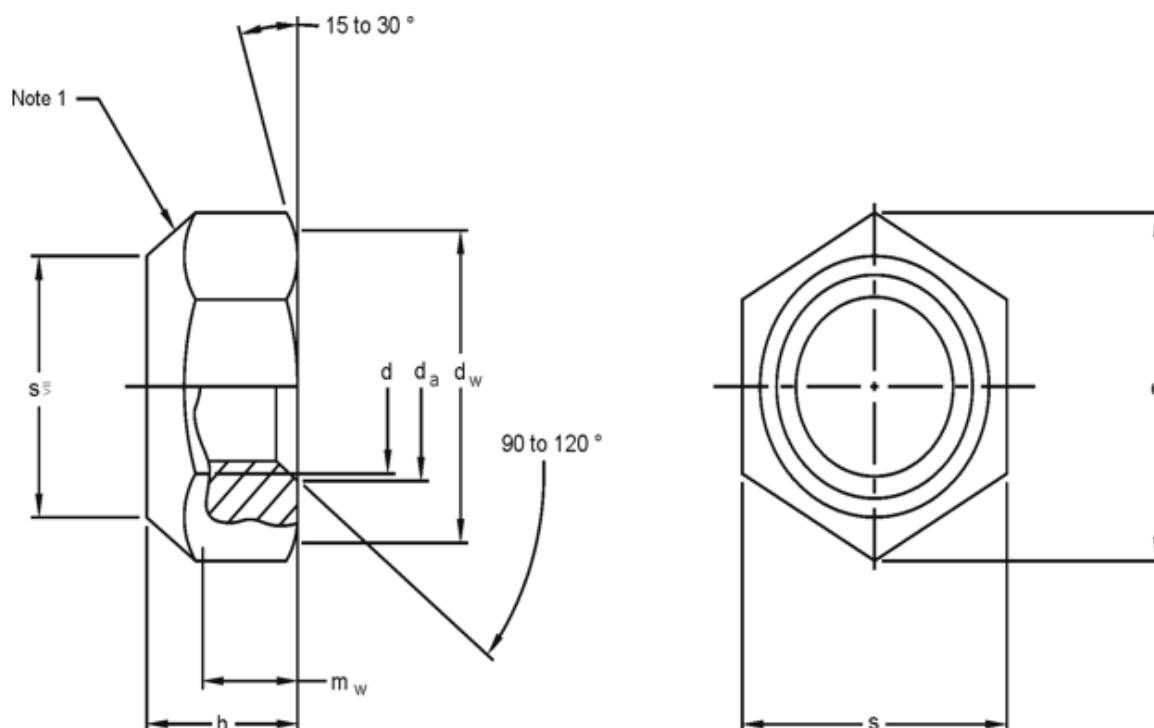


Figure 2: Dimension Illustration



Note 1: Prevailing torque element, shape toplock or Stover.

Table 1: Dimensions (in millimeters)

Diameter		M5	M6	M8	M10	M12
	Pitch	0.8	1	1.25	1.5	1.75
d _a	Maximum	5.75	6.75	8.75	10.75	13
	Minimum	5	6	8	10	12
d _w	Minimum	6.88	8.88	11.63	13.63	16.63
e	Minimum	8.79	11.05	14.38	16.64	20.03
h	Maximum	5.1	6.0	8	10	12
	Minimum	4.8	5.4	7.14	8.94	11.57
m _w	Minimum	3.52	3.92	5.15	6.43	8.3
s	Maximum	8	10	13	15	18
	Minimum	7.78	9.78	12.73	14.73	17.73
Property Class		8	8	8	10	10

3.2 Material. Steel, ISO 2320. See Table 1 for property class for each nut diameter.

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