



Hexagon Nut and Washer Assemblies with Conical Washer 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 hexagon nuts to ISO 4033, Type 2 with thread diameters from M6 to M14 and conical spring washer non-detachable, turnable.

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

1.3 Remarks. None.

2 References

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

2.1 External Standards/Specifications.

ISO 724	ISO 965-1	ISO 4033	ISO 6157-2
ISO 898-2	ISO 1502	ISO 4759-1	ISO/TS 16949

2.2 GM Standards/Specifications.

GMW3059

2.3 Additional References. None.

3 Requirements

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

Figure 1: Hexagon Nut with Conical Washer

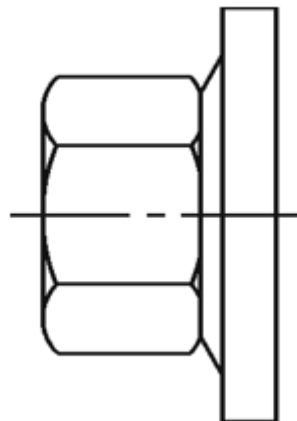
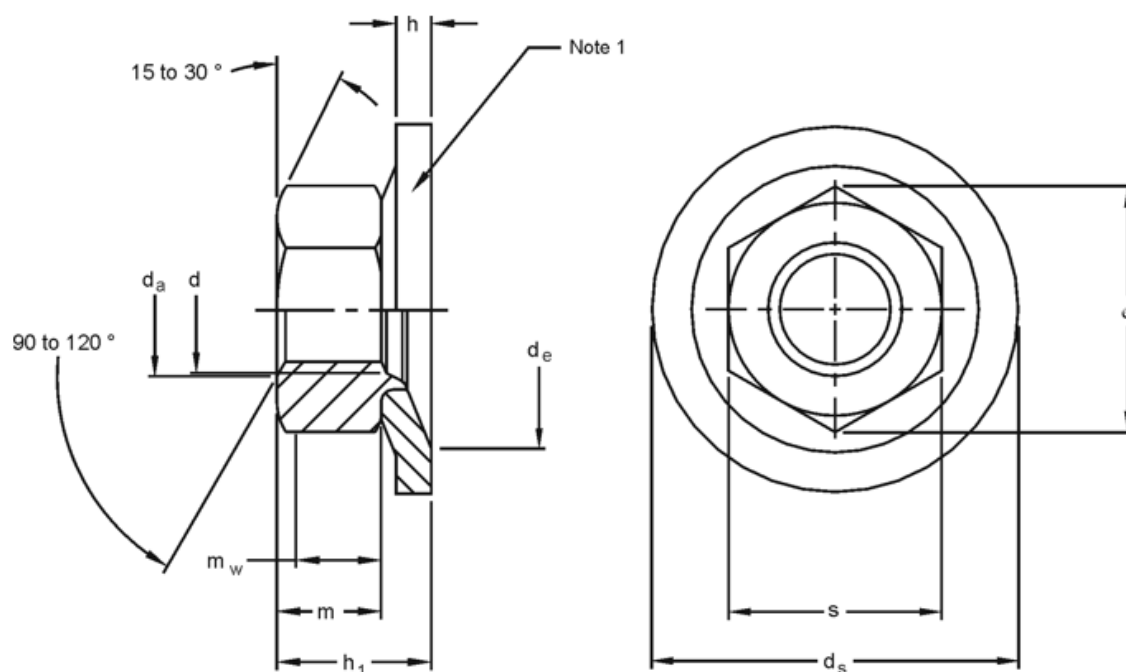


Figure 2: Dimension Illustration



Note 1: Conical spring washer non-detachable, turnable.

Table 1: Dimensions (in millimeters)

Diameter		M6	M8	M10	M12	M14
	Pitch	1	1.25	1.5	1.75	2
d _a	Maximum	6.75	8.75	10.8	13	15.1
	Minimum	6	8	10	12	14
d _e	≈	17	22	25	29	32
d _s	Maximum	19	24	28	32	36
	Minimum	18.48	23.48	27.48	31.38	35.38
e	Minimum	11.05	14.38	16.64	20.03	23.36
h		1.6 ± 0.05	2.0 ± 0.06	2.5 ± 0.08	3.0 ± 0.08	3.5 ± 0.1
h ₁	≈	8.5	11	13	17	19.5
m	Maximum	5.7	7.5	9.3	12	14.1
	Minimum	5.4	7.14	8.94	11.57	13.4
m _w	Minimum	4.32	5.71	7.15	9.26	10.7
s	Maximum	10	13	15	18	21
	Minimum	9.78	12.73	14.73	17.73	20.67
Property Class		8	8	10	10	10