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Westfield Fasteners Product Specification:

DIN 6926 - Hex Serrated Flange Nuts with Nylon Insert

This product guide contains the specification for metric threaded flange nuts with nylon insert and serrations. These nuts are a range of standard parts available from Westfield Fasteners. The basis of this specification is the DIN standard DIN 6926.

Product Description

A prevailing torque type hexagon nut incorporating a flange and nylon insert to help prevent loosening when fitted. This particular version has serrations on the base of the flange. A non-serrated version is also available.

Scope of the DIN standard.

DIN 6926 specifies prevailing torque type hexagon nuts with a flange and with a non-metallic insert, and gives the dimensions, tolerances and the variation in form, with nominal diameters from metric M5 up to and including M20. Refer to figure 1 and table 1 below for the most relevant information for the user.

DIN 6926 covers steel materials, in class 8, 10, and 12. It does not specifically mention stainless steel, but the dimensions will be similar in that case.

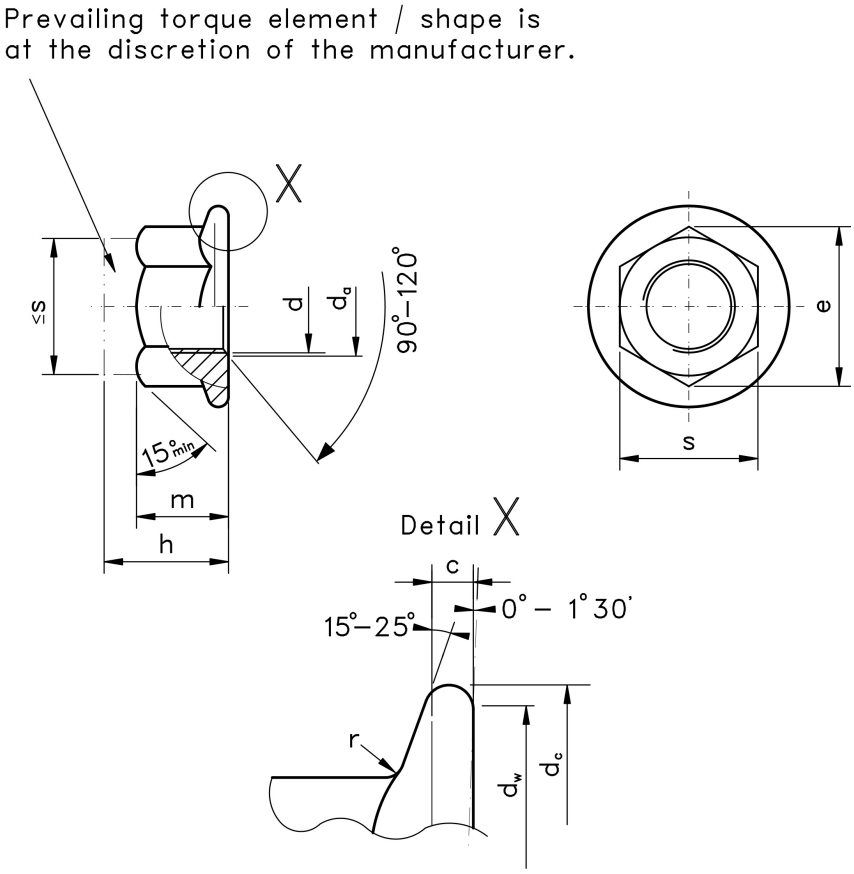

Figure 1: Hex Serrated Flange Nut with Nylon Insert

Table 1: Dimensions and Tolerances according to DIN 6926 (mm)

Thread, d		M5	M6	M8	M10	M12	M14	M16	M20
Thread Pitch		0.80	1.00	1.25	1.50	1.75	2.00	2.00	2.50
c	min	1	1.1	1.2	1.5	1.8	2.1	2.4	3
d_a	min	5	6	8	10	12	14	16	20
	max	5.75	6.75	8.75	10.8	13	15.1	17.3	21.6
d_c	max	11.8	14.2	17.9	21.8	26	29.9	34.5	42.8
d_w	min	9.8	12.2	15.8	19.6	23.8	27.6	31.9	39.9
e	min	8.79	11.05	14.38	16.64	20.03	23.36	26.75	32.95
h	max	7.1	9.1	11.1	13.5	16.1	18.2	20.3	14.8
	min	6.74	8.74	10.67	13.07	15.67	17.68	19.46	23.96
m	min	4.7	5.7	7.6	9.6	11.6	13.3	15.3	18.9
s	nom=max	8	10	13	15	18	21	24	30
	min	7.78	9.78	12.73	14.73	17.73	20.67	23.67	29.16
r	max	0.3	0.36	0.48	0.6	0.72	0.88	0.96	1.2

For further details, please refer to the DIN standard document for this item.