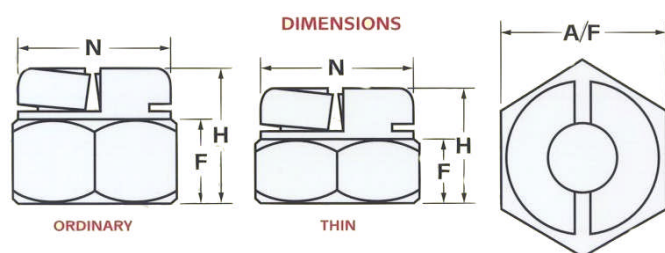


The Aerotight Nut

The Aerotight nut is a type of all-metal prevailing torque nut, this type of nut is called a self-locking nut or stiffnut. The nut can be used a number of times with the self-locking function remaining effective. The Aerotight nut is designed to stay in position whether it is tightened down or not, provided the locking element is engaged. (Normally to achieve full engagement of the locking element, allow the bolt thread to protrude past the top of the nut by two thread pitches.)

Steel and Austenic Stainles steel Aerotight nuts can be used up to a temperature of 300C. The Aerotight nut can be supplied in plated finishes if required



Dimensional Details - ISO Metric Threads

Thread Size	Pitch mm	A/F Dia. Max mm	N Dia. Max mm	H Max mm	F Min. mm
M 2.5	0.45	5.0	4.75	2.97	1.49
M 3	0.5	5.5	5.25	3.52	1.89
M 3.5	0.65	7.0	6.65	4.79	2.69
M 4	0.7	7.0	6.65	4.79	2.69
M 5	0.8	8.0	7.65	6.02	3.49
M 6	1.0	10.0	9.58	7.95	4.63
M 8	1.25	13.0	12.53	10.00	6.12
M 10	1.5	17.0	16.53	12.03	7.62
M 12	1.75	19.0	18.47	14.48	9.62
M 16	2.0	24.0	23.47	18.75	12.62
M 20	2.5	30.0	29.47	22.35	15.62

UNC/UNF Threads to BS 1580 Class 2B

Size	A/F Max	Dia. N Max	H Max Ordinary	Thin	F Min Ordinary	Thin
No. 4	0.250	0.177	0.172	0.140	0.080	0.053
No. 6	0.313	0.238	0.203	0.167	0.100	0.064
No. 10	0.375	0.332	0.266	0.222	0.142	0.098
1/4	0.438	0.425	0.312	0.245	0.175	0.108
5/16	0.500	0.488	0.408	0.299	0.250	0.141
3/8	0.563	0.550	0.459	0.355	0.287	0.183
7/16	0.688	0.675	0.539	0.414	0.350	0.225
1/2	0.75	0.738	0.621	0.475	0.412	0.266

BA Threads to BS 93

Size	A/F Max	Dia. N Max	H Max Ordinary	Thin	F Min Ordinary	Thin
6	0.193	0.183	0.157	0.125	0.080	0.053
4	0.248	0.238	0.203	0.162	0.110	
2	0.324	0.314	0.256	0.212	0.142	0.098
O BA	0.413	0.403	0.328	0.272	0.188	

BSW/BSF Threads to BS 84 Normal Class

Size	A/F Max	Dia. N Max	H Max Ordinary	Thin	F Min Ordinary	
3/16	0.324	0.314	0.256	0.212	0.142	0.098
1/4	0.445	0.433	0.312	0.245	0.175	0.108
5/16	0.525	0.513	0.383	0.299	0.225	0.141
3/8	0.600	0.588	0.459	0.355	0.287	0.183
1/2	0.820	0.808	0.621	0.475	0.412	0.266

Material Specification

Stainless Steel 303 and 316 (A4)

Steel 230 M07 Non-Leaded BS970

Brass BS 2874 CZ112

316 (A4) Stainless Steel has been developed for use in highly corrosive environments.

316 (A4) Stainless Aerotight nuts can safely be used for outdoor applications in coastal and industrial areas where atmospheric corrosion is severe.

316 (A4) Stainless Aerotight nuts are suitable for use in the chemical, food and horticultural industries. For paper processing, film processing and textile finishing machinery

Recommended Practices

When assembled on the screw, two full threads should protrude through the Aerotight Nut.

Aerotight Nuts should not be used on damaged or interrupted threads.

Aerotight is a registered trademark of Apex Stainless Fasteners Limited

Aerotight nuts are available from www.nutsandbolts.co.uk