BREMICK®

TECHNICAL DATA SHEET

FLANGE SERRATED LOCK NUT A2-70 METRIC STAINLESS STEEL

STAINLESS STEEL 304

APPLICATION

Bremick® Serrated Flange Nuts have a flanged surface which acts like a washer to distribute the clamp force over a bigger area. The serrations help resist loosening by bitting into the material being clamped

PRODUCT ATTRIBUTES

Material Class: Stainless Steel A2-70

Thread Form: 6H

Standard: Complies to ISO 4161:2012

Mechanical Properties: Complies to ISO 3506-2:2020

Chemical Composition: Complies to ISO 3506-2:2020

MECHANICAL PROPERTIES

DIAMETER (mm)		M5	M6	M8	M10	M12	M14	M16	M18	M20
PROOF LOAD (N)	MIN	9930	14090	25630	40600	58990	80810	109700	134800	171400
STRESS UNDER PROOF LOAD (MPa)	MIN	700								

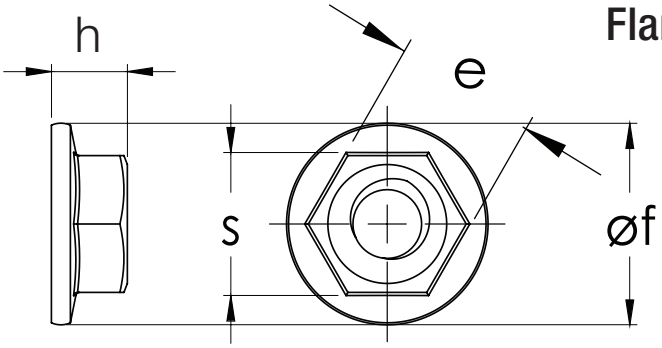
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	MAX
A2	0.10	1.00	2.00	0.050	0.030	15.0-20.0	8.0-19.0	4.0

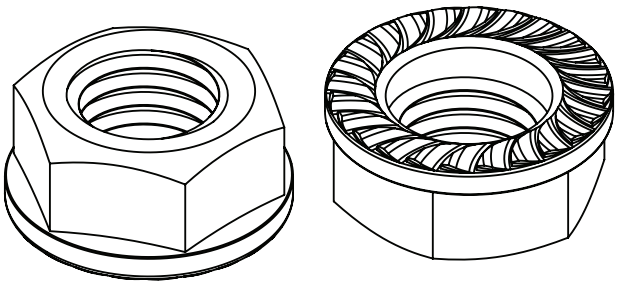
MATERIAL INFORMATION

STAINLESS STEEL 304		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
304 is the most commonly used stainless steel. It is an austenitic, offers excellent strength and corrosion resistance.	Bremick® 304 Stainless Steel provides an extreme level of protection and is recommended for wet external application. Bremick® 304 Stainless Steel is an austenitic stainless steel that offers all round performance.	Extreme

DIMENSIONAL DATA (mm)



Flange Nut



DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)	NUT THICKNESS (h)		FLANGE DIAMETER (f)
NOMINAL	NOMINAL	MIN	MAX	MIN	MIN	MAX	MAX
M5	0.80	7.78	8.00	8.79	4.70	5.00	11.8
M6	1.00	8.78	10.00	11.05	5.70	6.00	14.2
M8	1.25	12.73	13.00	14.38	7.64	8.00	17.9
M10	1.50	14.73	15.00	16.64	9.64	10.00	21.8
M12	1.75	17.73	18.00	20.03	11.57	12.00	26.0
M14	2.00	20.67	21.00	23.36	13.30	14.00	29.9
M16	2.00	23.67	24.00	26.75	15.30	16.00	34.5
M20	2.50	29.16	30.00	32.95	18.70	20.00	42.8

SOCKET OR SPANNER SIZE (mm)

NUT DIAMETER	M5	M6	M8	M10	M12	M14	M16	M20
SPANNER SIZE	8	10	13	15	18	21	24	30

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