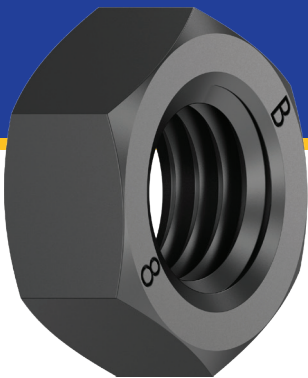


HEX NUT
CLASS 8 METRIC

APPLICATION

Bremick® Hex Nuts Metric Class 8 are designed for industrial and construction applications where high tensile superior performance is required

BLACK



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 8 (Style 1, QT)
Thread Form:	Metric 6H
Finish:	Plain/Black/Natural
Standard:	Complies to AS 1112.1:2015
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022

MARKING



In some cases, the Bremick marking will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

DIAMETER (mm)		M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39	
PROOF LOAD (N)		MIN	12140	17200	31800	50500	74200	101200	138200	176600	225400	324800	452100	552600	683600	804700	961400
STRESS UNDER PROOF LOAD (MPa)		MIN	860		885		895			965			985				
HARDNESS	VICKERS (HV)	RANGE	200-334							233-334							

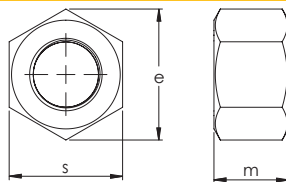
CHEMICAL COMPOSITION (%)

MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.15	0.58	0.45	0.048	0.058	380

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

DIMENSIONAL DATA (mm)



DIAMETER	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
		MIN	MAX	MIN		MIN	MAX
M3	0.50	5.32	5.50	6.01		2.15	2.40
M4	0.70	6.78	7.00	7.66		2.90	3.20
M5	0.80	7.78	8.00	8.79		4.40	4.70
M6	1.00	9.78	10.00	11.05		4.90	5.20
M8	1.25	12.73	13.00	14.38		6.44	6.80
M10	1.50	15.73	16.00	17.77		8.04	8.40
M12	1.75	17.73	18.00	20.03		10.37	10.80
M14	2.00	20.67	21.00	23.36		12.10	12.80
M16	2.00	23.67	24.00	26.75		14.10	14.80
M18	2.50	26.16	27.00	29.56		15.10	15.80
M20	2.50	29.16	30.00	32.95		16.90	18.00
M24	3.00	35.00	36.00	39.55		20.20	21.50
M27	3.00	40.00	41.00	45.20		22.50	23.80
M30	3.50	45.00	46.00	50.85		24.30	25.60
M33	3.50	49.00	50.00	55.37		27.40	28.70
M36	4.00	53.80	55.00	60.79		29.40	31.00
M39	4.00	58.80	60.00	66.44		31.80	33.40
M42	4.50	63.10	65.00	71.30		32.40	34.00
M48	5.00	73.10	75.00	82.60		36.40	38.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39	M42	M48
SPANNER SIZE	5.5	7	8	10	13	16	18	21	24	27	30	36	41	46	50	55	60	65	75