

HEX BOLT BSW STAINLESS STEEL



APPLICATION

Bremick® Hex Bolt BSW 316 Stainless Steel bolts are designed for industrial and construction applications where ultimate corrosion performance is required

PRODUCT ATTRIBUTES

Material Class: Stainless Steel 316

Thread Form: BSW Threads

Standard: Complies to BS 1083:1965

Mechanical Properties: Complies to ASTM F593:2024

Chemical Composition: Complies to ASTM F593:2024

HEAD MARKING



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

MECHANICAL PROPERTIES (Full-Size Tests)

ALLOY MECHANICAL PROPERTY MARKING	TENSILE STRENGTH (ksi)	YIELD STRENGTH (ksi)	HARDNESS
			ROCKWELL
	RANGE	MIN	RANGE
F593G	100~150	65	B95-C32

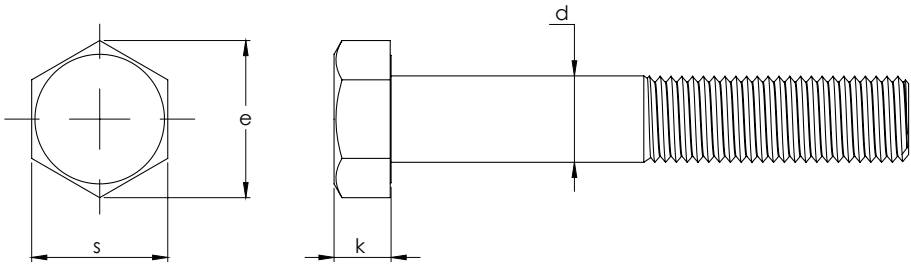
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Cr	Ni	Mo
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE
316	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	2.00-3.00

MATERIAL INFORMATION

STAINLESS STEEL 316		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

DIMENSIONAL DATA (inches)



SCREW SIZE	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)	HEAD THICKNESS (k)		SHANK DIAMETER (d)		THREAD LENGTH (b)
		MIN	MAX	MAX	MIN	MAX	MIN	MAX	MIN
1/2	12	0.812	0.820	0.950	0.333	0.343	0.496	0.500	1.00

SOCKET OR SPANNER SIZE (inches)

BOLT DIAMETER	1/2
SPANNER SIZE	0.820

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