316SS NUT

STAINLESS STEEL

(TYPE 316)

MECHANICAL PROPERTIES

YIELD STRENGTH, PSI	TENSILE STRENGTH, PSI	MAGNETIC PERMEABILITY	REDUCTION IN AREA %	ELONGATION %	HARDNESS ROCKWELL, MIN
55,000-75,000	100,000-125,000	2.0 MAX	40	30	B100

CHEMICAL PROPERTIES

ELEMENT	CHEMICAL COMPOSITION,% MAX (UNLESS MIN/MAX LIMITS GIVEN)
CARBON	0.08
MANGANESE	2.00
PHOSPHORUS	0.045
SULFUR	0.030
SILICON	1.00
CHROMIUM	16.00-18.00
MOLYBDENUM	2.00-3.00
NICKEL	10.00-14.00

316SS NUTS ARE INTENDED FOR USE IN CORROSIVE ENVIRONMENTS. ADDED NICKEL AND MOLYBDENUM GIVE THEM SUPERIOR CORROSION RESISTANCE AND INCREASED TENSILE STRENGTH AT HIGH TEMPERATURES WHEN COMPARED TO 304SS. 316SS NUTS ARE SUPPLIED IN A HEX HEAD PATTERN PER ASME B18.2.2 STANDARD FOR SQUARE AND HEX NUTS.THE BOLT NORMALLY USED WITH A 316SS NUT IS A 316SS HEX BOLT.

NOTE: PROPERTIES AND APPLICATION PARAMETERS ARE TYPICAL AND ARE PRESENTED IN GOOD FAITH BUT NO WARRANTY IS EXPRESSED OR IMPLIED.