

304SS BOLT

STAINLESS STEEL

(TYPE 304)

MECHANICAL PROPERTIES

FULL SIZE BOLTS, SCREWS, STUDS		MACHINED TEST SPECIMENS OF BOLTS, SCREWS, STUDS			
YIELD STRENGTH, MIN, 0.2% OFFSET, PSI	TENSILE STRENGTH, MIN PSI	YIELD STRENGTH, MIN, 0.2% OFFSET, PSI	TENSILE STRENGTH, MIN PSI	ELONGATION IN 4D, MIN, %	HARDNESS ROCKWELL, MIN
50,000	90,000	45,000	85,000	20	B85

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	18.00-20.00
NICKEL	8.00-12.00

304SS BOLTS ARE INTENDED FOR USE IN CORROSIVE ENVIRONMENTS. 304SS IS THE MOST POPULAR STAINLESS USED IN BOLTS, NUTS, & WASHERS. 304SS BOLTS ARE SUPPLIED IN A HEX HEAD PATTERN PER ASME B18.2.1 STANDARD FOR SQUARE AND HEX BOLTS AND SCREWS. THE NUT NORMALLY USED WITH A 304SS BOLT IS A 304SS HEX NUT.

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