

ASTM A307A BOLT

CARBON STEEL

MECHANICAL PROPERTIES

TENSILE STRENGTH, MIN KSI	ELONGATION IN 2 IN., MIN, %	HARDNESS				
		BRINELL		ROCKWELL B		
		MIN	MAX	MIN	MAX	
60	18	LESS THAN 3 X DIA	121	241	69	100
		3 X DIA AND LONGER	...	241	...	100

CHEMICAL PROPERTIES

ELEMENT	HEAT ANALYSIS	PRODUCT ANALYSIS
CARBON, MAX	0.29	0.33
MANGANESE, MAX	1.20	1.25
PHOSPHORUS, MAX	0.04	0.041
SULFUR, MAX	0.15	RESULFURIZED STEEL IS NOT SUBJECT TO REJECTION BASED ON PRODUCT ANALYSIS FOR SULFUR

A307A BOLTS HAVE A MINIMUM TENSILE STRENGTH OF 60 KSI AND ARE INTENDED FOR GENERAL PURPOSE APPLICATIONS. A307A 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 AN A307A BOLT IS AN A563 GR A HEX NUT.

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