

ASTM A307B 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	212	69	95
		3 X DIA AND LONGER	...	212	...	95

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	0.05	0.051

A307B BOLTS HAVE A TENSILE STRENGTH OF 60 TO 100 KSI AND ARE INTENDED FOR FLANGED JOINTS IN PIPING SYSTEMS. A307B BOLTS ARE SUPPLIED IN A HEAVY HEX HEAD PATTERN PER ASME B18.2.1 STANDARD FOR SQUARE AND HEX BOLTS AND SCREWS. THE NUT NORMALLY USED WITH AN A307B BOLT IS AN A563 GR A HEAVY HEX NUT.

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