

SAE J429 GRADE 5 BOLTS

MEDIUM CARBON STEEL
QUENCHED AND TEMPERED
MECHANICAL PROPERTIES

NOMINAL SIZE RANGE INCHES	YIELD STRENGTH, MIN, PSI	PROOF LOAD PSI	TENSILE STRENGTH, MIN, PSI	ELONGATION MIN, %	REDUCTION OF AREA MIN, %	TEMPERING TEMPERATURE MIN
¼ THRU 1	92,000	85,000	120,000	14	35	800 DEG F
OVER 1 THRU 1-1/2	81,000	74,000	105,000	14	35	800 DEG F

CHEMICAL PROPERTIES

ELEMENT	SAE J429 GRADE 5 BOLT
CARBON, %	0.28-0.55
PHOSPHORUS, %	.030 MAX
SULFUR, %	.050 MAX

SAE J429 GRADE 5 BOLTS ARE A MEDIUM STRENGTH BOLT USED FOR AUTOMOTIVE APPLICATIONS AND JOBS REQUIRING MORE STRENGTH THAN SAE J429 GRADE 2, OR ASTM A307 GRADE A OR B BOLTS. THE NUTS USED WITH A SAE J429 GRADE 5 BOLTS ARE SAE J995 GRADE 5 NUTS. THESE BOLTS ARE AVAILABLE PLAIN FINISH OR ZINC PLATED.

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