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TENSILE FLONGATION

BREA FRESNO RANCHO CUCAMONGA UNION CITY

ALL THREAD ROD GRADE A193 B7

SUBMITTAL SPECIFICATIONS Abstract of ASTM A193 / ASTM A194

Grade: CHROMIUM LYBDENUM (AISI 4140)

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

	CARBON	MANGANESE	PHOPHOROUS MAX	SULFER MAX	SILICON	CHROMIUM	MOLYBDENUM
RANGE	0.37 - 0.49	0.65 – 1.10	0.035	0.040	0.15 – 0.35	0.75 – 1.20	0.15 – 0.25
VARIATION	0.02	0.04	0.005 OVER	0.005 OVER	0.02	0.05	0.02

MECHANICAL REQUIREMENTS

REDUCTION

VIELD STRENGTH

	(KSI)	OF AREA %	STRENGTH (KSI)	%				
	105	50	125	16				
	Heavy Hex Nuts Grad	e 2H ASTM A194	☐ Washers ASTM F	436 Hardened Steel				
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STUDS AND NUTS MAY BE SUPPLIED								
	Plain Zi	nc Plated Hot Dip	Galvanized	Teflon Coated				
		LOCATIO	N					
Buried	Submerged	Above Grade	Below Gra	ade Other				

DIMENSIONAL DATA: Sizes 1 inch and smaller in diameter with the coarse-thread series, and the 1 1/8 inch and larger in diameter with the 8-pinch thread series unless otherwise specified by the customer.

ADDITIONAL INFORMATION: Additional information can be found in ASTM A193 / A193M, DTD 1998 (alloy steel and stainless bolting materials for high temperature services) and in ASTM A194 / A194M, DD 1998 (carbon and alloy steel nuts for bolts for high temperature services).