

technical threads

A307 Low Carbon Steel Threaded Rod



- Typical Material: Low Carbon Steel
- Material and Mechanical Properties:
 - Purchased to meet ASTM A307 Grade A.
- Zinc Plating:
 - Purchased to meet ASTM F1941 FeZn3A
- Hot-Dip Galvanized:
 - Purchased to meet ASTM A153.
- Threads: Commercial nut fit similar to Class 1A.
- Typical Hardness: HRB 70-100
- Tensile Strength: 60,000 PSI Min

Tensile Strength (NC Threads)			Tensile Strength (NF Threads)		
Size	PSI	Pounds	Size	PSI	Pounds
1/4-20	60,000	1900	1/4-28	60,000	2180
5/16-18	60,000	3100	5/16-24	60,000	3480
3/8-16	60,000	4650	3/8-24	60,000	5270
7/16-14	60,000	6350	7/16-20	60,000	7120
1/2-13	60,000	8500	1/2-20	60,000	9600
9/16-12	60,000	11,000	9/16-18	60,000	12,150
5/8-11	60,000	13,550	5/8-18	60,000	15,350
3/4-10	60,000	20,050	3/4-16	60,000	22,400
7/8-9	60,000	27,700	7/8-14	60,000	30,500
1-8	60,000	36,350	1-12	60,000	39,800
1 1/8-7	60,000	45,800	1-14	60,000	40,700
1 1/4-7	60,000	58,150	1 1/8-12	60,000	51,400
1 3/8-6	60,000	69,300	1 1/4-12	60,000	64,400
1 1/2-6	60,000	84,300	1 3/8-12	60,000	78,900
1 3/4-5	60,000	114,000	1 1/2-12	60,000	94,900
2-4 1/2	60,000	150,000			