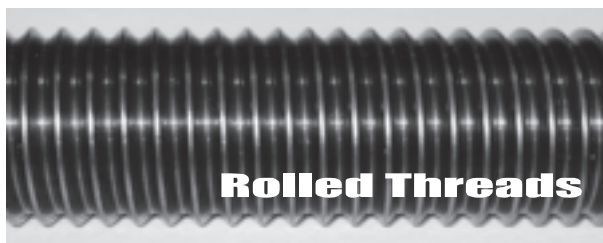
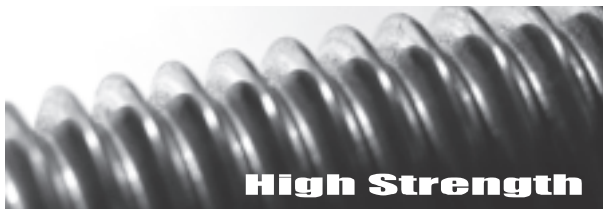


SHEFFIELD™ METRIC STUD STOCK Roll Threaded Bar



Typical Physical Properties*

| | |
|----------------------------------|----------------|
| Hardness..... | 321 BHN |
| Tensile Strength..... | 156,000 P.S.I. |
| Yield Strength..... | 134,000 P.S.I. |
| *Based on 1/2" Diameter Specimen | |

Available Sizes

| Size | Pitch | Size | Pitch |
|-------|-------|-------|-------|
| 4 MM | .7 | 20 MM | 2.50 |
| 5 MM | .8 | 22 MM | 2.50 |
| 6 MM | 1.00 | 24 MM | 3.00 |
| 8 MM | 1.25 | 27 MM | 3.00 |
| 10 MM | 1.50 | 30 MM | 3.50 |
| 12 MM | 1.75 | 33 MM | 3.50 |
| 14 MM | 2.00 | 36 MM | 4.00 |
| 16 MM | 2.00 | 39 MM | 4.00 |
| 18 MM | 2.50 | | |

Typical Applications

| | |
|--------------|------------------|
| Post Screws | Adjustment Bolts |
| Anchor Bolts | Tie Rods |
| Pullers | Jack Screws |
| Lag Bolts | |

Stock Lengths

10 / 12 Ft Random Lengths

Benefits of Sheffield™ Metric Stud Stock

- ▶ **High Strength Alloy** – not carbon steel.
- ▶ **Threading Process** – rolled thread vs. cut thread; free of tears, tooling marks, or chatter marks that are common in cut threads.
- ▶ **Consistency** – grain structure more uniform from strain hardening the bar.
- ▶ **Heat Treated Alloy** – thermally treated to a Rockwell “C” 28/32; (not low carbon – low hardness material).
- ▶ **Surface Finish** – smoother, less imperfections that may cause possible failure.
- ▶ **Toughness** – cleanliness and core integrity met through Clean Steel Technology.
- ▶ **Accuracy** – close, tight, precision fit, means longer service life.
- ▶ **Less Creep** – safer to use than cut threaded product. Threads will not stretch or pull apart during service.

Cut Thread vs. Rolled Thread

Cut Threads

Sharp cuts, with nicks and gouges, weaken threads and can serve as stress risers, which will lead to fatigue failures.

Rolled Threads

Grain structure is maintained in continuous unbroken lines, following contours and increasing tensile and shear strength.

Value-Added Services

We offer complete machining services: left hand thread, double leads, triple leads, special pitch bolts, double end studs, and heavy hex threaded products. Please call our offices for more details.

Past Protected Trade Name Of Pyramid Steel Company – Maintenal™ Metric Threaded Rod