



## Precision Fasteners from Steel Bright Bars

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At **Steelmet Industries**, we understand that the smallest components often bear the biggest responsibilities. Our **cold drawn steel bright bars** form the foundation for **high-performance bolts, screws, nuts, washers, and rivets** that hold critical infrastructure together â?? from skyscrapers to spacecraft.

## Why Precision Matters in Fastener Manufacturing

Modern fasteners must meet exacting standards:

- â?? **Consistent thread formation** for perfect engagement
- â?? **Reliable tensile strength** under dynamic loads
- â?? **Corrosion resistance** for harsh environments
- â?? **Dimensional stability** across temperature variations

Our bright bars deliver:

- â?? **Surface finish of 0.8-1.6 $\frac{1}{4}$ m Ra** for smooth thread rolling
- â?? **Diameter tolerance of  $\hat{A}\pm 0.02$ mm** for precision fits
- â?? **Hardness range of 22-32 HRC** (ideal for cold forming)
- â?? **Custom diameters** from 3mm to 120mm

## Key Fastener Applications

### 1. Structural Fasteners

- **ASTM A325/A490 structural bolts** for steel construction
- **High-strength anchor bolts** (Grade 8.8/10.9)



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5. high-strength fasteners
  6. industrial fasteners
  7. precision bolts
  8. screw production
  9. speciality fasteners
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**Date**

23/05/2026

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admin

*Steelmet Industries - Bright Bars, Alloy Steels, Free Cutting Steels, Stainless Steels*