



Anchor Bolts, Foundation Bolts, and Fasteners

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Precision Steel Bars for Critical Structural Connections

In the construction and infrastructure sector, **anchor bolts, foundation bolts, and industrial-grade fasteners** form the backbone of structural integrity. Whether embedded in concrete foundations, connecting structural steel columns, or securing heavy equipment, these components must withstand dynamic loads, vibrations, and environmental stressors.

Steelmet Industries's cold drawn steel bright bars are an excellent raw material for manufacturing such components. With **tight dimensional tolerances, superior surface finish, and consistent mechanical properties**, they deliver both **performance and reliability** for high-stakes construction applications.

Where Bright Bars Are Used in Bolting Applications

• **Anchor Bolts** Used to anchor structures to concrete foundations in bridges, buildings, and towers

â?? **Foundation Bolts** â?? For heavy-duty equipment foundations in industrial facilities

?? U-bolts, L-bolts, J-bolts ?? For custom anchoring needs

â?? Threaded Fasteners & Studs â?? Precision threads for structural and equipment assembly

• **T-bolts & Expansion Fasteners** • Used in rail systems, tunnels, and prefabricated infrastructure

Why Steel Bright Bars from Steelmet Are Ideal for Bolts & Fasteners

- **Superior Surface Finish** – Essential for thread rolling, threading dies, and coating adhesion

- **High Tensile and Yield Strength** – Withstands static and dynamic loads
- **Excellent Machinability** – Reduces tool wear during threading and shaping
- **Tight Dimensional Tolerance** – Ensures thread compatibility and precision
- **Suitable for Galvanizing & Coating** – Prevents corrosion in outdoor installations

Typical Steel Grades Used

EN8 / C45 (AISI 1045)

Most commonly used for **medium-strength bolts and anchor rods**, offering a good balance between strength and machinability.

EN19 / 42CrMo4

Used in **high-strength foundation bolts** and fasteners that require impact resistance and higher fatigue life.

EN1A / 230M07

Ideal for **small to medium-sized fasteners** requiring **high-speed machining** with excellent surface finish.

SS304 / SS316

Used in **corrosion-prone environments** such as coastal construction, marine infrastructure, or chemical plant foundations.

Trusted by Construction Professionals Across India

Steelmet Industries supplies **bright bars** for fastener and bolt manufacturers serving **metro rail projects, high-rise towers, infrastructure development firms, and heavy industry EPC contractors**.

• **Bulk and custom orders accepted**

• **Documentation and test certificates provided**

• **Cut-to-length and surface-finished bars available**

Learn more and request a quote at: www.steelmet.in

• **EN8 / C45 (AISI 1045)**

1. Posts

• **EN19 / 42CrMo4**

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Steels, Free Cutting Steels, Stainless Steels