Transmission Shafts and Gears: The Backbone of Automotive Powertrains

?????

In the **automotive industry**, transmission shafts and gears play a crucial role in power transmission, ensuring smooth vehicle operation. **Cold drawn steel bright bars from Steelmet Industries** are widely used for manufacturing these components due to their **high strength, precision, and superior surface finish**.

Why Cold Drawn Steel Bright Bars for Transmission Shafts and Gears?

? **High Dimensional Accuracy** – Reduces the need for excessive machining
? **Superior Mechanical Properties** – Ensures high strength and wear resistance
? **Excellent Surface Finish** – Improves fatigue life and reduces friction
? **Customizable Grades & Sizes** – Suitable for various vehicle types

Applications in Transmission Systems

? **Transmission Shafts** – Connects engine power to the gearbox and wheels
? **Input & Output Shafts** – Transfers torque between components
? **Gear Blanks & Finished Gears** – For manual and automatic transmissions
? **Axle Shafts & Propeller Shafts** – Provides rotational power in drive systems

Example: Material Grades & Specifications

- **EN8, EN19, EN24, 4140, 8620, 16MnCr5** – Commonly used for shafts and gears
-

Tensile Strength: 600-1000 MPa, depending on grade and heat treatment

- **Surface Finish**: Ra ? 0.8 µm, reducing friction and wear

Why Choose Steelmet Industries?

At **Steelmet Industries**, we provide **precision-engineered cold drawn bright bars** that meet **automotive industry standards** for **strength, durability, and performance**. Our **customized solutions** ensure the perfect fit for your **transmission components**.

? **Explore our range of high-quality bright bars:** www.steelmet.in

??????

1. Posts

?????

1. Automotive Components
2. automotive gears
3. gear shafts
4. High-Strength Steel
5. Precision Steel Bars
6. steel for gears
7. Steelmet Industries
8. Transmission shafts
9. transmission system
10. cold drawn steel

Date
22/07/2025
????
admin