Transmission Shafts and Gears: The Backbone of Automotive Powertrains



### DescripciÃ³n

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?

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

## Applications in Transmission Systems

ð??¹ **Transmission Shafts** â?? Connects engine power to the gearbox and wheels
ð??¹ **Input & Output Shafts** â?? Transfers torque between components
ð??¹ **Gear Blanks & Finished Gears** â?? For manual and automatic transmissions
ð??¹ **Axle Shafts & Propeller Shafts** â?? Provides rotational power in drive systems

### Example: Material Grades & Specifications

- **EN8, EN19, EN24, 4140, 8620, 16MnCr5** â?? Commonly used for shafts and gears
- **Tensile Strength**: 600-1000 MPa, depending on grade and heat treatment


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- **Surface Finish**: Ra â?¤ 0.8 Âµm, 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**.

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

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