



Transmission Shafts and Gears: The Backbone of Automotive Powertrains

Description

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

- ŏ??¹ Transmission Shafts â?? Connects engine power to the gearbox and wheels
- ŏ??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 a?? Commonly used for shafts and gears
- Tensile Strength: 600-1000 MPa, depending on grade and heat treatment

• Surface Finish: Ra â?¤ 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.

Category



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