



Forging

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Raw Material Storage We purchase Raw Material from leading & most reputed manufacturers of Steels in India. After forging stock has been received at the forge plant from the material supplier, it has been counted, weighted & stacked test sample sent to the laboratory for verification of the material to meet the specified metallurgical requirements. Tags are used for identification of Raw Material & Cut Blanks. Heat No. is used to provide traceability of Raw Material & Cut Blanks.



→ Process

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- ▶ Drawing & Grinding

The Seamless Rolled Ring Forging Process....

The production of seamless forged rings is often performed by a process called **Ring Rolling** on rolling mills. These mills vary in size to produce rings with outside diameters of just a few mm to over 400mm and in weights ranging from a 250 Grams to 14 Kgs.



The process starts with a circular perform of metal that has been previously upset and to form a hollow "Donut". placed over the idler or mandrel roll. These idler roll then moves under pressure toward a drive roll that continuously rotates to reduce the wall thickness, thereby increasing the diameters (I.D. and O.D.) of the resulting ring.

The Ring rolling process offers a Unique Product homogeneous circumferential grain flow, ease of fabrication and machining, and versatility in material, size, mass and geometry. Seamless rolled rings are produced in thousands of different cross-sectional shapes. Ring rolling has developed from an art into a strictly controlled engineering process, with extremely high technology being used to construct the current breed of ring rolling lines.