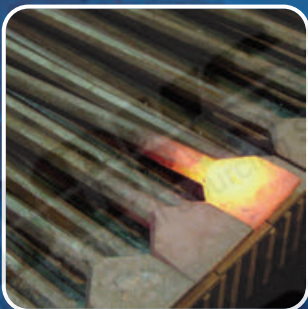


Upset Forging

Upset Forging is the term used to describe the gathering of metal over a given area and then subsequently formed in dies (or tools) to a required shape. Conventional methods of upsetting are electrical resistance and mechanical pre-forming. The process can be carried out at the end of the bar, both ends of the bar, or at any mid-division point.

Typical examples of Upset Forged Components are Eyebolts, Hexagon or Square Head Bolts, Torsion Bars and Anti-Roll Bars.



The Benefit over alternative methods of production include:-

- Inherent strength retained by containing metal grain flow.
- No stress areas created where material size needs to be reduced, which would occur if bar turned.
- No brittleness or porosity concerns with forgings.
- No concern of fractures at weld joints.

We have vertical crank, hydraulic and screw presses capable of forging from 10mm diameter, up to 100mm diameter and horizontal machines with a working capacity from 6mm diameter up to 100mm diameter x 6m long. Material specifications range from mild, carbon, alloy, though to stainless steel grades.

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