

DROP FORGING

The UK's leading specialist with 10 Drop Forging cells producing components up to 125KG net weight in standard & specialist materials.



Drop forging is a closed impression die manufacturing process used to create more complex forging shapes. In this method, a heated metal bar or billet is placed into a split forging die that contains the desired final impression. A heavy hammer, which can be either gravity-powered or mechanically assisted, strikes the dies together in a series of controlled blows.

The impact causes the metal to flow and fill the contours of the die cavity, taking on the desired shape. This process is known for producing strong and durable parts with excellent grain flow characteristics, making them ideal for applications that require high strength-to-weight ratios, such as crankshafts and connecting rods.

We have the ability to forge a wide range of ferrous and non-ferrous materials ranging from standard carbon & alloy steels, duplex, super duplex, nickel superalloys, and other non-ferrous alloys.

