

OPEN DIE FORGING

We offer simpler forged shapes, such as blocks and discs, which still provide the benefits of compressed and aligned material grain flow.



Open die forging is a metal forming process in which a workpiece is shaped through multiple blows from a hammer or press. Unlike closed die forging, the metal is not confined within a die, allowing for a wider variety of shapes and sizes to be produced using a free flow technique.

This process typically involves a skilled operator manipulating the raw heated workpiece with more standardised tools to achieve the desired dimensions and properties, enhancing the grain structure and mechanical strength.

This process is commonly used to create simpler shapes, such as bars, blocks, rings, and shafts. Forgings of this type are typically supplied in their as-forged condition but can also be rough-machined to achieve a better surface finish and tighter geometry for final precision operations.

