

# Download Gas Tungsten Arc Welding Guide Book

Gas tungsten arc welding (GTAW), also known as tungsten inert gas (TIG) welding, is an arc welding process that uses a non-consumable tungsten electrode to produce the weld. Gas metal arc welding (GMAW), sometimes referred to by its subtypes metal inert gas (MIG) welding or metal active gas (MAG) welding, is a welding process in which an electric arc forms between a consumable wire electrode and the workpiece metal(s), which heats the workpiece metal(s), causing them to melt and join. Flux Cored Arc Welding Handbook provides comprehensive coverage of gas-shielded (FCAW-G) and self-shielded (FCAW-S) flux cored arc welding processes. Arc Welding of Aluminum and Aluminum Alloys 2 Introduction Nowadays, aluminum and aluminum alloys are extensively used for various applications such as household, railroad cars, buildings, bridges, utensils, autos,