



# Bisalloy Steels

One of the most significant challenges in defense is maximizing ballistic performance to protect your assets whilst minimizing the vehicle's weight. There is a high technical requirement to meet this challenge.

Bisalloy is an experienced manufacturer of impact-resistant armor and protection grade steels. We invest heavily in understanding customer needs, which ensures our research and development in armored steel provides the highest level of protection and mobility.

Our IP, knowledge of materials and metallurgical know-how are key factors in providing our technical expertise to provide a capability edge for our customers.

## BISALLOY® Armor Steel – Protecting those that protect us all



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### BISALLOY® Armor Steel Range

- BISALLOY® Armor 80A Steel
- BISALLOY® Armor RHA300 Steel  
(MIL-DTL-12560 Class 2)
- BISALLOY® Armor RHA360 Steel  
(MIL-DTL-12560 Class 1)
- BISALLOY® Armor HTA400 Steel
- BISALLOY® Armor UHT440 Steel  
(MIL-DTL-12560 Class 4)
- BISALLOY® Armor HHA500 Steel  
(MIL-DTL-46100)
- BISALLOY® Armor VHH550 Steel  
(MIL-DTL-46186)
- BISALLOY® Armor UHH600 Steel  
(MIL-DTL-32332)

## Key Customers

- US Army/Marines, USA (M-ATV, MRAP, MTRV Armored Vehicles)
- Oshkosh Defence, USA (M-ATV and MTRV Armored Vehicles)
- Navistar Defence/Steel Warehouse, USA (MRAP Armored Vehicles)
- BAE Systems Australia (Landing Helicopter Dock Ships, Air Warfare Destroyer Ships, FFG Frigates, M113 Land Vehicle Upgrades)
- Australian Submarine Corporation (Collins Class Submarine)
- Naval Group France (Australian Future Submarine Program)
- Thales Australia (Bushmaster Infantry Mobility Vehicles)
- Plasan Sasa and Thales Australia (Hawkei armored vehicle)
- Rheinmetall Defence (BOXER Combat Reconnaissance Vehicle)
- Australian Defence Forces
- Defence Science and Technology Group, Australia
- Thai Army, Navy and Police Force
- Israel Ministry of Defence and Israel Army
- Taiwan, Indonesian & Turkish Army

## Discriminators

- Highly Consistent and stable production, capable of both long-run production as well as small batch specialised production
- Individual plate testing for hardness and mechanical properties, with certification available per plate

- Full ballistic test reporting available across a range of ballistic threats
- Excellent long term record and data retention, allowing full traceability of materials

## Quality Accreditations & Awards

- ISO 9001:2016, by Lloyd's Register of Quality Assurance (LRQA)
- US Army qualified to produce MIL-DTL-46100, MIL-DTL-12560, and MIL-DTL-32332 grades of armour steel plate
- NATA (Australia) certified mechanical testing laboratory (on-site)

## Availability and Support

- The BISALLOY® Steel production plant is strategically positioned next to our major steel supplier (BlueScope Steel) with neighbouring port facilities.
- Bisalloy has an extensive local Australian distribution network. Along with our majority-owned distribution businesses in Thailand and Indonesia, Bisalloy has the capability to export to countries throughout Asia, the Middle East, Europe and North America.
- As we specialise in quenched & tempered steel, we offer the market genuine expertise and continue to work with our customers to solve problems and innovate for tomorrow's challenges.



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