



GRP Flight and Gun Deck Safety Net Assemblies

Properties such as corrosion resistance, lighter operating weight, fatigue resistance, and an ability to tailor structural and mechanical properties to suit the operating environment make composite materials ideal for marine and offshore use.

Thanks to many years of experience in producing composite materials, Von Roll manufactures GRP (glass-reinforced plastic) assemblies from their Delglas® product range that offer a comparative advantage and cost-effective alternative to conventional metal-based flight deck safety net systems.

Von Roll manufactures lightweight, easily installed and operated GRP flight and gun deck safety equipment for naval vessels. Systems come fully assembled, rigged with safety net and lanyard, and equipped with appropriate deck fittings, ready to install.

Features

- » Withstand all weather conditions, humidity, cold, elevated temperatures
- » Very strong, durable, proven design and construction
- » Corrosion-resistant; all used metal parts are treated stainless steel
- » Available as deck or hull (side) mounted
- » Full NATO codification
- » Shock-tested and certified to BR8470 Grade D

Benefits

- » Lightweight, easy to deploy and raise in all sea states and weather conditions
- » Virtually maintenance-free
- » Easy to install; reduce time for installation with minimum welding required
- » Reduced radar signature compared with aluminium or steel
- » Will not interfere with radar or other electronic weapon systems
- » All parts and fittings are interchangeable; modifications to existing arrangements possible



Von Roll References



Von Roll flight and deck gun safety net systems have been installed on many different types of ships. The following list demonstrates where Von Roll surveyed, designed and in some cases installed various flight deck safety net assemblies and/or gun deck safety net assemblies:

- » **Training Establishments**, UK Ministry of Defence
- » **Type 22 Frigates**, UK Royal Navy/BAE Systems
- » **Type 23 Frigates**, Duke Class, UK Royal Navy/BAE Systems/Babcock Intl.
- » **Offshore Patrol Vessels**, Royal Brunei Navy, Nakhoda Ragam Class
- » **Type 42 Destroyer Refurbishment**, UK Royal Navy/Babcock Intl.
- » **LPH Class, Helicopter Assault Ship**, UK Royal Navy/BAE Systems
 - HMS Ocean
- » **Auxiliary Oiler**, AO Class, UK Royal Navy/BAE Systems: RFA Wave Ruler
- » **LPD Class**, Landing Platform Dock, UK Royal Navy/BAE Systems
 - HMS Albion
 - HMS Bulwark
- » **LCU Class, Landing Craft Utility, 10 vessels, BAE Systems**
- » **Aircraft Carriers**, Invincible Class, DML/Babcock Intl.
 - HMS Ark Royal
 - HMS Invincible
 - HMS Illustrious
- » **Royal Fleet Auxiliary (RFA) Class vessels**, BAE Systems/Babcock Intl.
 - Sir Bedivere
 - Fort Victoria
 - Fort George
- » **Indonesian Navy Corvettes**: 6 ships, Damen Schelde Naval Shipbuilding, The Netherlands
- » **Project Baynunah Corvettes**, United Arab Emirates Navy, CMN/ADSL: 6 ship contract
- » **FREMM Frigate Project**, French Navy, DCNS Brest and Lorient: 8 ships
- » **FREMM Frigates**, Royal Moroccan Navy, DCNS: 4 ships