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N TECNIMPIANTI



advanced marine solutions

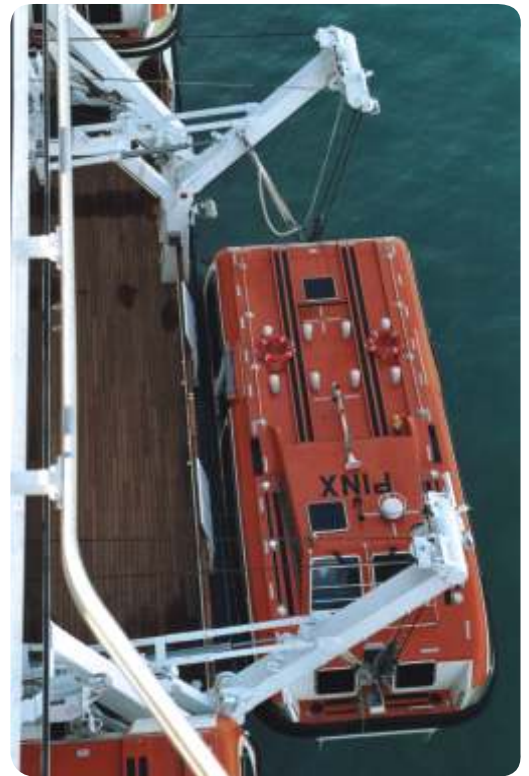
LIFESAIVING EQUIPMENT



Tecnimpianti is world market leader of lifesaving equipment. More than 3.000 davits have been supplied for cruise & ferry, merchant marine, offshore and navy up to now.

The product line includes the following davit types: telescopic, semi-gravity, pivot & multi-pivot, roller track, free fall, NOD.

Our solutions for Lifesaving Equipment move toward a wide range of products tailored to the needs of our customers, allowing reliable, efficient and cost-effective systems.





Tecnimpianti Lifesaving Equipment, with integrated hydraulic and automation system developed by Navalimpianti, assure safe and easy operations and a problem free working life. All equipments we design and manufacturer meet the most recent safety regulations.

Tecnimpianti and Navalimpianti specialized staff assists owners and shipyards providing "turn-key" contracts, commissioning, after-sale services and maintenance programs according to the amended Chapter III to SOLAS that came into force on 1st July 2006.



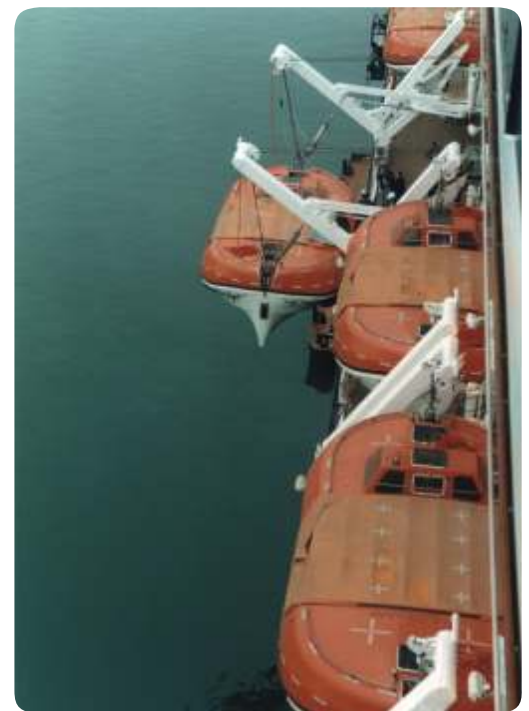


The telescopic davits consist of two arms welded at the ceiling of the upper deck in such a way to allow the promenade deck to be completely free. This solution is particularly useful not only when this deck is used as passengers walking area, but also during the embarkation in emergency case. The davit arms may be extended outboard as necessary to permit boats translation from stored to embarkation position and lowering in any trim and list condition stated by SOLAS.

No heavy electrical system is required because energy is provided by hydraulic power pack and accumulators.

Semi-gravity davits are composed by two arms hinged on the ship side. A hydraulic stored energy reserve forces the negative moment of the arms configuration allowing their rotation.

After the dead point, rotation is due to gravity as well as boat lowering. During hoisting, winch recharges the accumulator without need of HPP.





Pivot and multi-pivot davits are based on the same design principles: structures are hinged directly on deck and by the rotation of the arms, the life boat moves from stowed to embarkation position. Pivot davits are suitable for merchant marine and cargo vessels purpose. Multi-pivot davits are dedicated to cruise and ferry vessels and both may be used in open and recessed deck typically on the promenade deck.



Roller track davits are mainly composed by sliding arms and guides, welded on open or recessed deck. When arms reach the lower position of the guides, life boat moves from stowed position to embarkation configuration. This solution was formerly designed to abandon ships and is currently used for launching.





Free fall davits are designed for launching lifeboats fully loaded, in any trim and list conditions stated by SOLAS, using only gravity force. Free fall davits are operated by two hydraulic cylinders to release the boats. For recovering, one hydraulic winch and one gantry crane are foreseen. Power comes from dedicated power pack.

Normal outrigger davits are composed by single arms and are equipped by winch to allow boats hoisting while lowering is due to gravity force. Davit arms structure is hollow section or box construction to enable easy welding on board and is complete by boat guides, suspension gear, wire rope fall, electric/ hydraulic power unit, and auxiliary equipments.





Furthermore Tecimpianti provides a wide range of structural and functional solutions for rescue boat davits and raft davits, electrical or hydraulically operated.

Common characteristics are:

- full compliance with current and applicable rules
- operation in any trim and list condition and in any ship operative situation stated by SOLAS
- structures and accessories designed for problem free operational life and tailored to Owners' and Operators' requirements
- integrated hydraulic and automation systems for easier and safer operation



LIFESAIVING EQUIPMENT



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