

Solutions for Shipbuilding



A complete range of welding consumables and equipment for the specific needs of the shipbuilding industry

Market segments

- Ship construction
- Ship repair

Consumable range

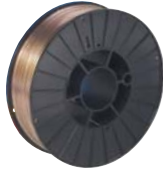
MMA Welding

A full range of MMA electrodes in single and double coating technologies. Supplied in regular and vacuum packaging to eliminate any need for re-conditioning prior to use. SUPERCITO 7018S and SPEZIAL for C-Mn steel, used DC or AC with excellent weld bead profile and the SUPRANOX series for stainless steel.



MIG/MAG Welding

Oerlikon has a complete range of flux cored wires for shipbuilding applications in terms of productivity, welder appeal and mechanical properties, for semi-automatic and automatic applications.



For CO₂ applications:

CITOFLEX R00C, a folded wire for standard shipyard applications
 FLUXOFIL 19HD, a tubular cored wire with excellent impact values
 CRISTAL F119, a low fume cored wire.

The key products for mixed gas applications are similar with the CITOFLEX R00, a folded cored wire and the tubular FLUXOFIL 14HD.

Submerged Arc Welding

A full range of SAW flux/wire combinations, used for:

Stiffeners: downhand and standing fillet welding

- Submerged arc: OP 191, OP181 / OE-S2, tandem, twin, tandem / twin



Portable wire feeder DM YARD M

Compact, light (12.5 kg) and rugged wire feeder for MIG/MAG inverter pulsed power sources. The wire feeder can be tailor made for any specific applications, and can be equipped with flow meter, digital display, program management and a double connector for MIG and MMA electrodes holders. The design focus combines robustness with lightweight, for safe working in restricted areas, such as inside a hull and passing through manhole passages. Using special cables, welding can take place at 50 m from the power source.

Panel production: Panel line - Plate joining - butt welding

- Submerged arc: OP 180S, OP 139, OP 192 / S2 & S2Mo
- OERLIKON FMI process OP 122/A105, FC 35.25-3D,4D
- Backing flux: OP 10U
- Multi wire welding: OP 122 S2Mo 3.2, 4.0 & 4.8 mm

Special packaging system:

DRYBAG which eliminates any need for flux re-conditioning prior to use.



Ceramic weld backing

The KERALINE range of ceramic backing strips for finished quality, full penetration welds from one side.

Benefits

OERLIKON Consumables - Benefits

- Productivity: Special shipbuilding range of flux cored wires, and SAW flux / wire combinations
- Efficiency: Dedicated packaging systems
- Performance: Outstanding mechanical properties, from C-Mn and low alloyed steels to high strength, high toughness military applications
- Classification Society Approvals

MIG/MAG carriages

WELDYPAR is a carriage designed for semi-automatic one torch welding operations in various positions (horizontal, inclined plane, vertical).



WELDYSTIFFENER is a carriage able to support two MIG/MAG torches. The design is specially made for the welding of Holland profiles (stiffeners) on a plate.



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