

ANGUS OFFSHORE 850

The first genuine all-purpose rig supply hose.

The longest, lightest and strongest rig supply hose for Diesel, Drillwater, Cement, Barytes, Oil-based mud, Seawater and Potable water.

Offshore 850 is the first genuine multi-purpose hose to be introduced to the offshore industry. It offers major advantages in all aspects of performance over existing supply hose...

- Rollflat construction for ease of handling and storage.
- Oil, weather and abrasion resistant cover and lining totally encapsulating high modulus synthetic reinforcement.
- Dual bonding wires for security.
- Very high end tensile strength - stronger than the best rubber rig supply hoses.
- Long lengths up to 200 metres reducing the number of assemblies per hose string if required.
- Only one third of the weight of rubber soft wall hose.
- Floating capability.
- Approved for potable water and suitable for conveying salt water, fuel oil, dry bulk powder and oil based muds.
- Compatible with most coupling types including special re-usable reverse taper couplings.









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Each length of Offshore 850 is fitted with colour coded sleeves at the couplings, identifying the material being carried.

For health and safety reasons Offshore 850 is also available with orange cover and lining for potable water use.

Colour Coding

| | | | |
|---|---------------|-----------------|---------------------------|
|  | Hose Green | Sleeve Brown | Material Diesel |
|  | Green | Blue | Drill Water |
|  | Green | Yellow | Cement |
|  | Green | Orange | Barytes |
|  | Green | Red | Oil based mud |
|  | Orange | - | Potable water |

Technical Data

- **EXTENSION AND SWELL**

Extension under working load - max. 2%. Diameter swell under maximum working load - 15%. This property ensures very high hydraulic efficiency.

- **APPROVALS**

Offshore 850 is approved to BS 6920 by the U.K. Water Research Centre as suitable for conveying potable water in compliance with the Health & Safety at Work Act 1974. The product will not support microbiological growth. Offshore 850 has Lloyd's Type Approval for hose and fitments.

- **BONDING WIRE**

A dual wire meeting BS 1435 standards is fitted to all sizes.

- **TESTING**

Manufactured to BS 5750 Pt. 2/ISO 9002 and 100% proof tested before despatch.

- **COUPLING**

A range of coupling sizes is available, manufactured to reverse taper design for a reusable field fitted, high security system.

| Size | 3" (76mm) | 4" (102mm) | 5" (127mm) | 6" (152mm) |
|--|------------------|------------------|------------------|------------------|
| Max. cont. length | 656' (200m) | 656' (200m) | 656' (200m) | 656' (200m) |
| Weight lbs/ft | 0.62 | 0.97 | 1.38 | 1.79 |
| kg/m | 1.03 | 1.45 | 2.05 | 2.66 |
| Design burst pressure | 850 psi (58 bar) | 850 psi (58 bar) | 850 psi (58 bar) | 850 psi (58 bar) |
| Max. advised continuous working pressure | 425 psi (29 bar) | 425 psi (29 bar) | 425 psi (29 bar) | 425 psi (29 bar) |
| Design end tensile (minimum) | 7 tonnes | 11 tonnes | 15 tonnes | 18 tonnes |

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DATA SHEET

OFFSHORE 850 is a high performance, general purpose delivery hose for Offshore and Industrial users. The construction is of high tenacity synthetic circular woven textile totally encapsulated in a tough elastomeric capable of operating continuously at high pumping pressures in extreme climatic environments.

It's features include:-

- *Lightweight.*
- *Continuous lengths up to 200 metres.*
- *Suitable for use with fuels, oils, potable water, brackish and sea-water, drilling muds, barytes, drill-water, oil based muds, bulk powder and cement.*
- *Approved to BS 6920 for conveying potable water by the U.K. Water Research Centre.*
- *Polymer approved to FDA CFR 177.2600 for conveying food-stuffs by the U.S.A. Food & Drug Administration.*
- *Layflat construction for ease of storage, handling and transport.*
- *Capable of high working pressures with a 2 : 1 safety factor*
- *Integral woven construction giving a very high end tensile strength.*
- *Very low friction loss for efficient pumping.*
- *Oil, weather and abrasion resistant cover and lining for use in a variety of ground or sea conditions.*
- *Dual bonding wires meeting the requirements of BS 1435.*
- *Available with a unique range of reusable field-fitted high security couplings.*
- *Capable of accepting standard hose accessories including hooks, self-seal and breakaway couplings.*
- *Floating capability.*
- *Available in high visibility orange for use with potable water and food-stuffs, and green for other fluids.*
- *Approved by Lloyd's Register of Shipping under Certificate No's. 88/0131 and 88/0132.*
- *Manufactured under Angus's ISO 9002 Quality Management Systems accreditation.*

NOMINAL TECHNICAL SPECIFICATION

Working fluid temperature range -50°C to +70°C.

| | | | | | |
|--|-------------------|--------------|--------------|--------------|--------------|
| Dimension | (ins.) (mm) | 3" 76 | 4" 102 | 5" 127 | 6" 152 |
| Maximum Length | (m) | 200 | 200 | 200 | 200 |
| Weight | (kg/m) (lb/ft) | 1.03 0.69 | 1.45 0.97 | 2.05 1.38 | 2.66 1.79 |
| Minimum Design Burst Pressure | (bar) (psi) | 58 850 | 58 850 | 58 850 | 58 850 |
| Maximum Working Pressure (2 : 1 safety factor)* | (bar) (psi) | 29 425 | 29 425 | 29 425 | 29 425 |
| Minimum Design Tensile Strength | (te) | 7 | 11 | 15 | 18 |
| Wall Thickness | (mm) | 3.4 | 4.0 | 4.5 | 5.1 |

*Or maximum working pressure of attached coupling, whichever is the lower.