



## Hoses for handling crude oil and drilling spoil



### FUEL SOFTWALL

**Delivery hose for crude oil, mud and spoil Lining:**

black NBR rubber / PVC

**Reinforcement:** synthetic cord

**Outer layer:** black CR rubber

**Operating temp:** -20°C to +90°C

Robust delivery hose designed for the transfer and handling of crude oil, petrochemical products and drilling spoil mixed with crude oil (up to 50% aromatics).

Inner layer of black, smooth NBR/PVC rubber compound. Reinforced with layers of durable synthetic cord. **Features copper cords to ensure electrical continuity between hose ends - subject to correct connection to ends.** Outer layer of CR chloroprene rubber, flame retardant, resistant to oil, seawater, abrasion and weather conditions.

Designed as a specialist OFFSHORE hose for use on oil rigs. Widely used on platforms North Sea, with success used in onshore applications.

On special request, versions with higher working pressure (20 bar, 27 bar), with specific tensile break for 3" and 7T for 4", 5" and 6") and ABS (*American Bureau of Shipping Type Approval*) for the complete



Chemical **resistance check:** NBR **chemical** resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

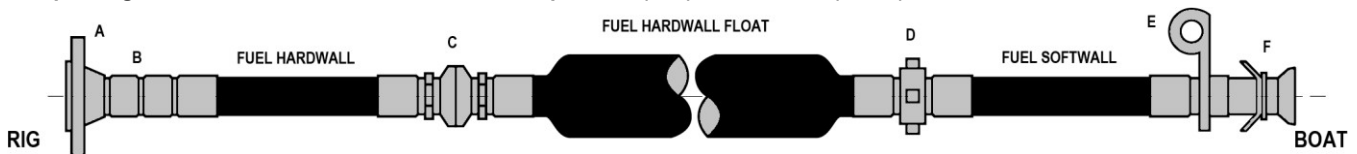
| index          | inside diameter |       | external diameter [mm] | wall thickness [mm] | working pressure [bar] | Bursting pressure [bar] | mass [kg/m] | Roll length [m] |
|----------------|-----------------|-------|------------------------|---------------------|------------------------|-------------------------|-------------|-----------------|
|                | [inch.]         | [mm.] |                        |                     |                        |                         |             |                 |
| IV-FUEL-SW-051 | 2"              | 51    | 66                     | 7,5                 | 17                     | 52                      | 1,64        | 60 / 120        |
| IV-FUEL-SW-076 | 3"              | 76    | 92                     | 8                   | 17                     | 52                      | 2,52        | 60 / 120        |
| IV-FUEL-SW-102 | 4"              | 102   | 119                    | 8,5                 | 17                     | 52                      | 3,52        | 60 / 120        |
| IV-FUEL-SW-127 | 5"              | 127   | 146                    | 9,5                 | 17                     | 52                      | 4,82        | 60 / 120        |
| IV-FUEL-SW-152 | 6"              | 152   | 174,5                  | 11,25               | 17                     | 52                      | 6,69        | 60 / 120        |
| IV-FUEL-SW-203 | 8"              | 203   | 225,5                  | 11,25               | 17                     | 52                      | 8,79        | 60              |

Note: Indexes highlighted in colour - most commonly used.



FUEL SOFTWALL hose DN102 with a carbon steel 4" NPT male threaded end clamped from the inside (internal clamping system internal clamping system). This ensures full diameter passage (102 mm) through the tip. Sleeve painted polyurethane paint is not subject to crimping from the outside. The NPT end has space to accommodate a HOOKIE HOOK sling secured with a clamp. A HAMMER LUG or dry-cutting connector will be screwed onto the NPT thread.

**Example diagram of the use of FUEL hoses between a platform (RIG) and a vessel (BOAT):**



A - flange; B - swivel coupling; C - emergency disconnect coupling; D - HAMMER LUG coupling ; E - HOOKIE HOOK sling; F - dry cut coupling. For the FUEL HARDWALL FLOAT hose, see the "Floating hoses" section in the INDUSTRIAL HOSES section.

