



# TRANSFER OIL

Pure Fluid Attitude



## 224 - 4SWT - HELIX

Thermoplastic multispiral hose for UHP hydraulic, oil and gas applications from 1050 to 1500 bar (15200 to 21700 psi)



### FEATURES

#### Inner Tube

Polyvinylidene fluoride (PVDF)

#### Reinforcement

Four spiral layers of steel wire

#### Cover

Special Polyester Copolymer, non pinpricked, white ink-jet branding

#### Industrial Applications

Oil and Gas applications // Methanol service // Chemical injection // Control of subsea components // Nitrogen service // Subsea well control // Gaseous media handling.

#### Hydraulic applications

Hydraulic jacks // Bolt tensioning // Testing applications // General UHP hydraulic applications

#### Features

Ultra high working pressure // Resistant to higher temperature // Low permeation to methanol and gaseous media // Superior chemical resistance of inner tube // Resistance to ozone, ultraviolet light and aging // High resistance against abrasion // Low volumetric expansion at maximum working pressure // Resistant to sea water // High impulse resistance // Long length capability // Excellent cut and crush resistance

#### Description

Ultra High Pressure hose utilising high tensile steel wire applied in counter rotating multiple spiral layers. Tube material resistant to high temperature and aggressive chemicals. It provides a good barrier to permeation of gaseous media. Tube and cover of engineering polymer with intermediate adhesion layers.

#### Temperature Range

-30 °C to 100 °C (-22 °F to 212 °F)

**Available As Factory Made Assemblies: Please Contact Our Sales Office For Further Details.**

#### Standard Branding

 **TRANSFER OIL - HELIX®** - TO UHP - Part No - 4SW-T - Inch Size - DN Size - WP bar / psi - MADE IN ITALY - [www.transferoil.com](http://www.transferoil.com) - Batch No

| Part no. | DN   | Inches | Dash | ID (mm) | OD (mm) | WP (bar) | BP (bar) | ID (inch) | OD (inch) | WP (psi) | BP (psi) | SF  | BR (mm) | BR (inch) | Weight (gr/m) | Weight (lb/ft) | Ferrule standard | Ferrule A316L |
|----------|------|--------|------|---------|---------|----------|----------|-----------|-----------|----------|----------|-----|---------|-----------|---------------|----------------|------------------|---------------|
| 2241     | DN5  | 3/16   | -3   | 5.1     | 11.6    | 1500     | 4500     | 0.201     | 0.457     | 21700    | 65100    | 3:1 | 250     | 9.84      | 281           | 0.189          | HAC111           | HAC811        |
| 2245     | DN12 | 1/2    | -8   | 12.8    | 22.0    | 1050     | 3150     | 0.504     | 0.866     | 15000    | 45000    | 3:1 | 300     | 11.81     | 975           | 0.655          | HAD151           | HAD851        |

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## AVAILABLE INSERTS

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| Part | Dash | Inch | DN   | F-BSPP | F-DKOS | F-JIC | F-MET24-60 | F-TYPE | M-BSPP | M-GAS100 | M-HP | M-MP | M-NPT | M-USIT |
|------|------|------|------|--------|--------|-------|------------|--------|--------|----------|------|------|-------|--------|
| 2241 | -3   | 3/16 | DN5  | HBC    | HDC    |       | HCC        | HFC    | HPC    | HQC      | HMC  |      | HIC   | HRC    |
| 2245 | -8   | 1/2  | DN12 | HBG    | HDG    | HEG   |            | HFG    |        |          | HMG  | HLG  | HIG   |        |

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*Dimensions and values shown may be changed without prior notice to improve product performances and reliability.  
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