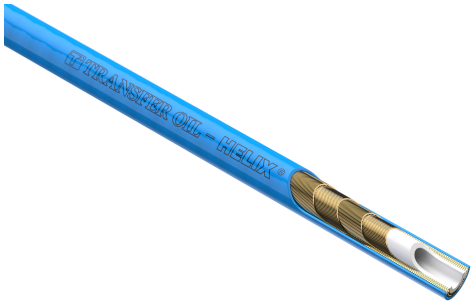
TRANSFER OIL
Pure Fluid Attitude

214 - 4SWH - HELIX

Thermoplastic multispiral hose for UHP water based applications from 1400 bar (20300 psi)



FEATURES

Inner Tube
Polyoxymethylene (POM)- 2140 | Polyamide PA12 - 2145

Reinforcement
Four spiral layers of steel wire

Cover
Polyamide (PA), non pinpricked, laser branding

Industrial Applications
Heat Exchanger Tube cleaning // Surface preparation and paint removal // Hydro-demolition // Ships, tanks and vessel cleaning // Waterblast // General industrial cleaning // Removal of accumulated dirt from surfaces.

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

Temperature Range
-30°C to 70°C (-22°F to 158°F)

Features
Ultra high working pressure // Excellent chemical resistance // 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 and cover of engineering polymer with intermediate adhesion layers.

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

Standard Branding
TRANSFER OIL – HELIX ® - TO UHP - Part No - 4SWH - Inch Size - DN Size - WP bar / psi - MADE IN ITALY - www.transferoil.com - QQ/YY - 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
2140	DN4	5/32	-	4.0	9.9	2200	5500	0.157	0.390	31900	79750	2.5:1	120	4.72	206	0.139	HAC101	HAC801
2145	DN12	1/2	-8	12.8	22.5	1400	3500	0.504	0.886	20000	50000	2.5:1	180	7.09	968	0.650	HAD151	HAD851

WJTA-IMCA Color Coding Scheme for Pressure Hoses - Maximum Working Pressure Applicable

10,000 PSI / 690 bar | 15,000 PSI / 1034 Bar | 20,000 PSI / 1379 Bar | 30,000 PSI / 2068 Bar | 40,000 PSI / 2758 Bar | 55,000 PSI / 3792 Bar

* The safety factor between the burst pressure and working pressure depend on the application requirements. Four to one (4:1) safety factor should be used in dynamic impulsing hydraulic applications.

** The maximum WORKING PRESSURE of an assembly is given by the component having the lowest working pressure.
This means that if the working pressure of a fitting is lower than the working pressure of the hose, the WORKING PRESSURE of the fitting

becomes the WORKING PRESSURE of the entire assembly.
The maximum WORKING PRESSURE of the assembly can be found marked on each sleeve of the assembly and on the pressure test report.

AVAILABLE INSERTS

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
2140	-	5/32	DN4	HBC				HFE	HPC		HME		HIC	
2145	-8	1/2	DN12	HBG	HDG	HEG		HFG			HMG	HLG	HIG	

Dimensions and values shown may be changed without prior notice to improve product performances and reliability.
Transfer Oil S.p.A. assumes no liability on mistakes nor errors appearing in this spec sheet.
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