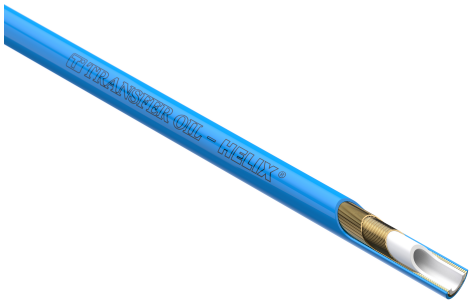
TRANSFER OIL
Pure Fluid Attitude

212 - 2SWH - HELIX

Thermoplastic multispiral hose for UHP water based applications up to 1400 bar (20000 psi)



FEATURES

Inner Tube
Polyoxymethylene (POM)

Reinforcement
Two spiral layers of steel wire

Cover
Polyamide (PA) - non pinpricked - laser branding

Industrial Applications
Heat exchanger tube cleaning - Ship, tank and vessel cleaning - Waterblasting - General industrial cleaning - Removal of accumulated dirt from surfaces

Hydraulic Applications
Hydraulic jacks - Bolt tensioning - Pressure 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 ageing - High abrasion resistance - 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 reinforcement applied in multiple counter-rotating spiral layers - Tube and cover made of engineering polymers 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 - 2SWH - 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
2120	DN4	5/32	-	3.9	8.0	1400	3500	0.154	0.315	20000	50000	2.5:1	75	2.95	109	0.073	HAJ101	HAJ801
2121	DN5	3/16	-3	4.8	9.3	1400	3500	0.189	0.366	20000	50000	2.5:1	95	3.74	140	0.094	HAJ111	HAJ811
2123	DN8	5/16	-5	8.0	13.8	1050	2625	0.315	0.543	15000	37500	2.5:1	130	5.12	285	0.192	HAA131	HAA831

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-DIN3852	M-FS	M-GAS	M-GAS100	M-HP	M-MET	M-NPT	M-USIT
2120	-	5/32	DN4	HBB	HDB			HFB	HPB		HSB	HJB	HQB	HMB	HKB	HIB	HRB
2121	-3	3/16	DN5	HBA	HDA		HCA	HFA	HPA		HSA	HJA			HKA	HIA	
2123	-5	5/16	DN8	HBA	HDA	HEA		HFA	HPA	HTA	HSA		HQA			HIA	

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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