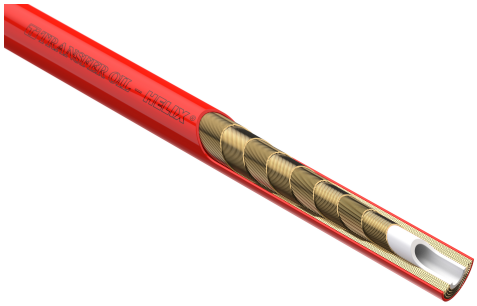
TRANSFER OIL
Pure Fluid Attitude

208 - 8SW HELIX

Thermoplastic multispiral hose for UHP water based applications up to 3800 bar (55000 psi)



FEATURES

Inner Tube
Polyoxymethylene (POM)

Reinforcement
Eight spiral layers of higher tensile steel wire

Cover
Polyamide (PA), non pinpricked, laser branding

Industrial Applications
Waterjet cutting // 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 // 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 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 - 8SW - HELIX Inch Size - DN Size - WP bar / psi - SKIVE 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
2081	DN5	3/16	-3	4.7	16.0	3800	7600	0.185	0.630	55000	123026	2:1	230	9.06	783	0.526	HAI111	
2083	DN8	5/16	-5	7.6	22.0	3800	7600	0.299	0.866	55000	130263	2:1	300	11.81	1510	1.015	HAI131	
2085	DN12	1/2	-8	12.8	28.7	3010	6250	0.504	1.130	43600	90531	2.1:1	350	13.78	2350	1.579	HAI151	HAI851

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-HP	F-JIC	F-MET24-60	F-TYPE	M-HP	M-HP-MET
2081	-3	3/16	DN5	HBI		HGI		HCI	HFI	HMI	HNI
2083	-5	5/16	DN8		HDI				HFI	HMI	HNI
2085	-8	1/2	DN12		HDI				HFI	HMI	HNI

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.
Document date: 26/11/2026
www.transferoil.com