TRANSFER OIL
Pure Fluid Attitude

216 - 6SWH - HELIX

Thermoplastic multispiral hose for UHP water based applications from 1600 to 2800 bar (from 23200 to 40600 psi)



FEATURES

Inner Tube
DN 5-8: Polyoxymethylene (POM); DN 12: Polyamide (PA)

Reinforcement
Six spiral layers of 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 60°C (-22°F to 140°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 - 6SWH - 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
2161	DN5	3/16	-3	4.8	13.2	2800	7000	0.189	0.520	40000	100000	2.5:1	210	8.27	450	0.302	HAF111	
2162	DN6	1/4	-4	6.3	16.5	2800	7000	0.248	0.650	40000	100000	2.5:1	250	9.84	763	0.513	HAF121	
2163	DN8	5/16	-5	8.0	19.0	2500	6250	0.315	0.748	36200	90500	2.5:1	250	9.84	970	0.652	HAF131	
2165	DN12	1/2	-8	12.9	25.3	2050	5125	0.508	0.996	30000	75000	2.5:1	300	11.81	1627	1.093	HAF151	
2167	DN20	3/4	-12	19.1	33.7	1600	4000	0.752	1.327	23200	58000	2.5:1	350	13.78	2290	1.539	HAF171	

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-MET24-60	F-TYPE	M-GAS100	M-HP	M-HP-MET	M-MP
2161	-3	3/16	DN5	HBF		HGF	HCF	HFF	HQF	HMF	HNF	
2162	-4	1/4	DN6					HFF		HMF	HNF	
2163	-5	5/16	DN8		HDF			HFF		HMF	HNF	HLF
2165	-8	1/2	DN12		HDF			HFF		HMF	HNF	HLF
2167	-12	3/4	DN20		HDE			HFE				

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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