TRANSFER OIL

Pure Fluid Attitude

204 - 4SW - HELIX

Thermoplastic multispiral hose for UHP water based applications from 1050 to 2050 bar (15000 to 30000 psi)



FEATURES

Inner Tube

DN 4-8: Polyoxymethylene (POM); DN 10-25: Polyamide (PA)

Reinforcement

Four spiral layers of steel wire

Cover

Polyamide (PA), non pinpricked, laser branding

Industrial Applications

Heat Exchanger Tube cleaning // 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 - 4SW - 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
2040	DN4	5/32	-	4.0	9.9	2050	5125	0.157	0.390	30000	75000	2.5:1	120	4.72	206	0.139	HAC101	HAC801
2041	DN5	3/16	-3	5.1	11.8	1800	4500	0.201	0.465	26100	65250	2.5:1	140	5.51	279	0.188	HAC111	HAC811
2042	DN6	1/4	-4	6.2	13.3	2050	5125	0.244	0.524	30000	75000	2.5:1	170	6.69	407	0.273	HAC121	HAC821
2043	DN8	5/16	-5	8.1	15.6	1500	3750	0.319	0.614	21700	54250	2.5:1	190	7.48	470	0.316	HAC131	HAC831
2044	DN10	3/8	-6	9.9	18.8	1400	3500	0.390	0.740	20000	50000	2.5:1	190	7.48	687	0.461	HAC141	HAC841
2045	DN12	1/2	-8	12.8	21.6	1300	3250	0.504	0.850	18800	47000	2.5:1	200	7.87	826	0.555	HAC151	HAC851
2047	DN20	3/4	-12	18.8	30.0	1050	2625	0.740	1.181	15000	37500	2.5:1	250	9.84	1407	0.946	HAC171	
2048	DN25	1	-16	24.8	38.3	1050	2625	0.976	1.508	15000	37500	2.5:1	300	11.81	2197	1.476		HAC881

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-BSPP-60	F-DKOS	F-HP	F-JIC	F-MET24-60	F-TYPE	M-BSPP	M-DIN3852	M-GAS	M-GAS100	M-HP	M-MET	M-MP	M-NPT	M-USIT
2040	-	5/32	DN4	HBC						HFE	HPC				HME			HIC	
2041	-3	3/16	DN5	HBC		HDC	HGK		HCC	HFC	HPC			HQC	HMC		HLC	HIC	HRC
2042	-4	1/4	DN6	HBC		HDC	HYK	HEC		HFC	HPC				HMC	HKC	HLC	HIC	
2043	-5	5/16	DN8	HBC		HDB		HEC		HFC	HPC	HTC	HJC	HQC	HMC		HLC	HIC	
2044	-6	3/8	DN10	HBE		HDE		HEC		HFC	HPC				HME		HLK		
2045	-8	1/2	DN12	HBG		HDG		HEG		HFG					HMG		HLG	HIG	
2047	-12	3/4	DN20	HBG	HBG	HDE		HEG		HFD							HLE	HIG	
2048	-16	1	DN25	HBC		HDE		HEC		HFC								HIC	

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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