TRANSFER OIL
Pure Fluid Attitude

202 - 2SW - HELIX

Thermoplastic multispiral hose for UHP water based applications from 690 to 1050 bar (10000 to 15000 psi)



FEATURES

Inner Tube
DN 3-6: Polyoxymethylene (POM); DN 8-12: Polyamide (PA)

Reinforcement
Two spiral layers of steel wire

Cover
Polyamide (PA) - non pinpricked - laser branding

Industrial Applications
Heat exchanger cleaning - Ships, 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 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 featuring high tensile steel wire applied in counter rotating multiple spiral layers - Tube and cover 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 - 2SW - 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
202B	DN3	1/8	-2	3.5	7.2	1050	2625	0.138	0.283	15000	37500	2.5:1	60	2.36	92	0.062	HAA1G1	
2020	DN4	5/32	-	4.1	8.2	1050	2625	0.161	0.323	15000	37500	2.5:1	70	2.76	105	0.070	HAA101	HAA801
2021	DN5	3/16	-3	5.2	9.9	1050	2625	0.205	0.390	15000	37500	2.5:1	90	3.54	152	0.102	HAA111	HAA811
2022	DN6	1/4	-4	6.4	11.5	1050	2625	0.252	0.453	15000	37500	2.5:1	110	4.33	207	0.139	HAA121	HAA821
2023	DN8	5/16	-5	7.9	13.7	900	2250	0.311	0.539	12900	32250	2.5:1	130	5.12	251	0.168	HAA131	
2024	DN10	3/8	-6	9.9	16.4	690	1725	0.390	0.646	10000	25000	2.5:1	150	5.91	313	0.210	HAA141	
2025	DN12	1/2	-8	12.8	20.4	690	1725	0.504	0.803	10000	25000	2.5:1	190	7.48	472	0.317	HAA151	

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-JIC	F-MET24-60	F-NPT	F-TYPE	M-BSPP	M-DIN3852	M-FS	M-GAS	M-GAS100	M-HP	M-MET	M-MP	M-NPT	M-USIT
202B	-2	1/8	DN3	HBA													HKA		HWA	
2020	-	5/32	DN4	HBB		HDB				HFB	HPB		HSB	HJB	HQB	HMB	HKB		HIB	HRB
2021	-3	3/16	DN5	HBA		HDA		HCA		HFA	HPA		HSA	HJA			HKA		HIA	
2022	-4	1/4	DN6	HBB		HDB	HEB	HCB	HHB	HFB	HPB	HTB	HSB	OJA	HQB	HMB	HKB	HLB	HIB	HRB
2023	-5	5/16	DN8	HBA		HDA	HEA			HFA	HPA	HTA	HSA		HQA				HIA	
2024	-6	3/8	DN10	HBB		HDB	HEB			HFB	HPB	HTB							HIB	
2025	-8	1/2	DN12	HBA		HDA				HFA								HLA	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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