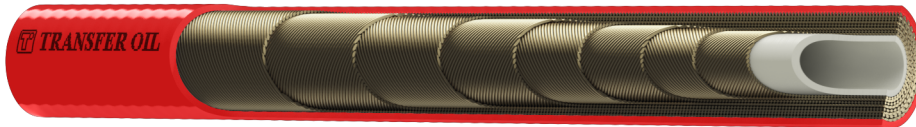




208 - 8SW HELIX

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

Special Polyester Copolymer, non pinpricked, black ink-jet branding

Industrial Applications

Waterjet cutting. Tube cleaning, surface preparation and paint removal. Hydro demolition. Ships, tanks and vessel cleaning. Waterblast supply hose. General industrial cleaning. Removal of accumulated dirt from surfaces.

Hydraulic Applications

Hydraulic jacks // Bolt tensioning // Testing applications // General UHP hydraulic applications

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 also as factory made assemblies: please contact our sales office for further details.

Temperature Range

-30°C to 70°C (-22°F to 158°F)

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	8,500	0.185	0.630	55100	123424	2.2:1	230	9.06	783	0.526	HAI111	
2083	DN8	5/16	-5	7.6	22.0	3800	9,000	0.299	0.866	55100	130587	2.4:1	300	11.81	1510	1.015	HAI131	
2085	DN12	1/2	-8	12.8	28.7	3010	6,250	0.504	1.130	43600	90688	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
2081	-3	3/16	DN5	HBI		HGI		HCI	HFI	HMI
2083	-5	5/16	DN8		HDI				HFI	HMI
2085	-8	1/2	DN12		HDI				HFI	HMI
2086	-10	5/8	DN16		HDI		HEI		HFI	HNI