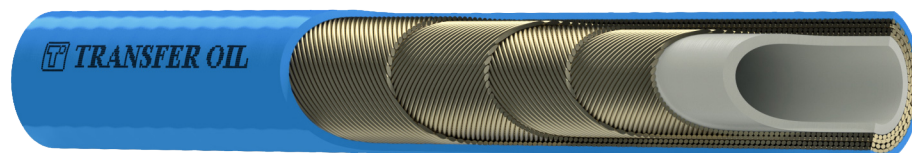




# 214 - 4SWH - HELIX

Thermoplastic multispiral hose for UHP water based applications from 1400 bar (20300 psi)



## FEATURES

### Inner Tube

Polioisimetilene (POM)- 2140 | Polyamide PA12 - 2145

### Reinforcement

Four spiral layers of 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

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

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
2140	DN4	5/32	-	4.0	9.9	2200	5,500	0.157	0.390	31900	79750	2.5:1	120	4.72	206	0.139	HAC101	HAC801
2145	DN12	1/2	-8	12.8	22.5	1400	3,500	0.504	0.886	20300	50750	2.5:1	180	7.09	968	0.650	HAD151	HAD851

## 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-JIC	F-MET24-60	F-TYPE	M-BSPP	M-GAS100	M-HP	M-MP	M-NPT	M-USIT
2140	-	5/32	DN4	HBC				HFE	HPC		HME		HIC	
2141	-3	3/16	DN5	HBC	HDC		HCC	HFC	HPC	HQC	HMC		HIC	HRC
2145	-8	1/2	DN12	HBG	HDG	HEG		HFG			HMG	HLG	HIG	