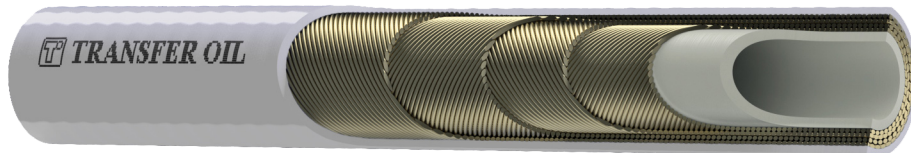




204 - 4SW - HELIX

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

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
2040	DN4	5/32	-	4.0	9.9	2050	5,125	0.157	0.390	29700	74250	2.5:1	120	4.72	206	0.139	HAC101	HAC801
2041	DN5	3/16	-3	5.1	11.8	1800	4,500	0.201	0.465	26100	65250	2.5:1	140	5.51	279	0.188	HAC111	HAC811
2042	DN6	1/4	-4	6.3	13.3	2050	5,125	0.248	0.524	29700	74250	2.5:1	170	6.69	407	0.273	HAC121	HAC821
2043	DN8	5/16	-5	8.2	15.6	1500	3,750	0.323	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	3,500	0.390	0.740	20300	50750	2.5:1	190	7.48	687	0.461	HAC141	HAC841
2045	DN12	1/2	-8	12.8	21.6	1300	3,250	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	2,625	0.740	1.181	15200	38000	2.5:1	250	9.84	1407	0.946	HAC171	
2048	DN25	1	-16	24.8	38.3	1050	2,625	0.976	1.508	15200	38000	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.

