

206 - 6SW - HELIX

part no.	hose size			ID		OD		WP		BP		safety factor	bend radius		weight		ferrule part no.		quantity
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar	psi		mm	inch	g/m	lbs/ft	standard	A316L	
	2060	-	5/32	DN4	4,0	0,157	11,8	0,465	2800	40000	7000		100000	2,5:1	170	6,693	360	0,242	
2061	-3	3/16	DN5	5,0	0,197	14,4	0,567	2500	36200	6250	90500	2,5:1	190	7,480	550	0,370	HAE111	HAE811	1.370
2063	-5	5/16	DN8	7,9	0,311	18,0	0,709	2050	30000	5125	75000	2,5:1	240	9,449	770	0,517	HAE131	-	538
2064	-6	3/8	DN10	9,9	0,390	20,8	0,819	2050	30000	5125	75000	2,5:1	250	9,843	1070	0,719	HAE141	-	1.341
2065	-8	1/2	DN12	12,8	0,504	25,4	1,000	1800	26100	4500	65250	2,5:1	300	11,811	1570	1,055	HAE151	HAE851	163
2067	-12	3/4	DN20	18,8	0,740	33,7	1,327	1400	20000	3500	50000	2,5:1	350	13,780	2075	1,394	HAE171	-	N/A
2068	-16	1	DN25	24,8	0,976	41,0	1,614	1200	17400	3000	43500	2,5:1	600	23,622	2570	1,727	HAE181	-	99

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.

**INNER TUBE**

DN 4-10: Polioxsimetilene (POM); DN 12-25: Poliammide (PA)

**REINFORCEMENT**

Six spiral layers of steel wire

**COVER**

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

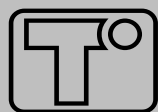
**INDUSTRIAL APPLICATIONS**

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





# TRANSFER OIL

thermoplastic and ptfe hoses - fittings and assemblies

## pressure drop table

Last updated

July 7, 2014

HOSE ID	DN3		1/8"		3/16"		1/4"		5/16"		3/8"		1/2"		3/4"		1"	
	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)	speed (m/s)	Δp (bar)
2	4,7	10,8																
4	9,4	36,2																
6	14,2	73,8	8,0	18,8														
8	18,9	122,6	10,6	31,1	7,1	11,9												
10	23,6	181,9	13,3	46,1	8,8	17,5	5,5	5,7										
15			19,9	94,5	13,3	35,9	8,3	11,7										
20			26,5	157,6	17,7	59,8	11,0	19,4	6,8	6,1								
30					26,5	123,0	16,6	39,9	10,2	12,6	6,5	4,3						
40							22,1	66,7	13,6	20,9	8,7	7,1	5,1	2,0				
50									17,0	31,1	10,8	10,6	6,4	3,0				
100									34,0	108,0	21,7	36,6	12,8	10,3	5,9	1,6		
150											32,5	75,9	19,1	21,3	8,8	3,3		
200													25,5	35,7	11,8	5,6	6,9	1,6
300															17,6	11,6	10,4	3,2
400															23,5	19,5	13,8	5,4
500																	17,3	8,1
600																	20,7	11,3

Δp (bar) on a free length of 10m.

Medium: water 20°C

Selection of an undersized hose could lead to high fluid velocity causing an excessive pressure drop and heat built up, with resultant damage to overall system performance.

After determining the system pressure, hose selection should be made so that the recommended Max WP is equal or greater than the maximum system pressure.

Do not exceed the recommended working temperature.

Grey section of the table refers to velocity < 15 m/s (low drop pressure - recommended)

Orange section of the table refers to velocity > 15 m/s (high drop pressure - not recommended)