




HIGH PRESSURE HOSES

Type 1000 Small Bore Hose		Construction: Core Tube: Polyamide Pressure Reinforcement: One braided layer of high tensile synthetic fibre Cover: Polyamide , black			Applications: High pressure service for use with petroleum or synthetic hydraulic fluids and gases.
					
CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION(see Tab.1)
1002	4,9	2	475	1900	1 , 5 , 9 , 10 , 21
1004	8,1	4	440	1760	1 , 5 , 10


Temperature range: -40°C up to +100°C for petroleum or synthetic hydraulic fluids

Type 1100 Standard Hydraulic Hose Performance exceeds DIN 20 022 Part 1 / DNV approved		Construction: Core Tube: Polyester elastomer Pressure Reinforcement: One braided layer of high tensile steel wire. Cover: Polyurethane, black			Applications: High pressure service for use with petroleum or synthetic hydraulic fluids, in hydraulic systems. Excellent flexibility due to the excellent bonding of the core tube, pressure reinforcement and cover. Especially suitable for lifting devices, machine tools and agricultural machinery.
					
CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION(see Tab.1)
1105K	9,8	5	340	1360	1
1110K	15,9	10	240	960	2
1112K	19,3	12	185	740	3

Temperature range: -40°C up to +100°C for petroleum max 57° for synthetic hydraulic fluids and water-based hydraulic fluids

Type 2000 High Pressure Hose Performance exceeds SAE100R9 / SAE 100R10 / DIN 20 022 Part 2		Construction: Core Tube: Polyamide Pressure Reinforcement: Two spiral layers of high tensile steel wire, one braided layer of steel wire Cover: Polyurethane, black		Applications: High pressure service for use with petroleum or synthetic hydraulic fluids, as well as applications where gases and aggressive media are involved. High kink resistance and maximum flexibility for use in compressors, clamps, hydraulic tools.	
					
CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION (see Tab.1)
2010	17	10	375	1500	6 , 2 , 3
2012	20,7	12	350	1400	7 , 3
2020	28,5	20	300	1200	8 , 4

Temperature range: -40°C up to +100°C for petroleum or synthetic hydraulic fluids

Type 2100 Ultra-High Pressure Hose Performance exceeds SAE 100R10		Construction: Core Tube: Polyamide Pressure Reinforcement: Two spiral layers and two open spiral layers of high tensile steel wire Cover: Polyurethane, black		Applications: Ultra-high pressure service for use with petroleum or synthetic hydraulic fluids. High kink resistance and high flexibility for hydraulic tools, straightening benches, clamps.	
					
CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION(see Tab.1)
2104	9,6	4	750	3000	1 , 12 , 15 , 16
2106	13,3	6	700	2800	1 , 10 , 11 , 12 , 16 , 17
2110	18	10	535	2100	2 , 3 , 6 , 13 , 14 , 17 , 18
2112	22,7	12	550	2200	3 , 7 , 14 , 18

Temperature range: -40°C up to +100°C for petroleum or synthetic hydraulic fluids

Type 4000
Ultra-High Pressure Hose



Construction:

Core Tube:
 DN 4-8: Polyoxymethylene,
 DN 10-25: Polyamide
Pressure Reinforcement:
 Four spiral layers of high
 tensile steel wire
Cover:
 Polyamide, DN 4-8, blue,
 DN 10-25, black

Applications:

For use with petroleum or synthetic hydraulic fluids, gas and chemical fluids. Especially suitable for hydraulic pre-tensioning equipment test rigs, as well as in off shore applications.

CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION(see Tab.1)
4005	11,5	5	1800	4500	1 , 18 , 19
4008	12,5	8	1500	3750	2 , 20
4010	19,4	10	1400	3500	6 , 20
4012	22,5	12	1300	3250	7 , 3
4020	30	20	1000	2500	8 , 4

Temperature range: -10°C up to +70°C for petroleum or synthetic hydraulic fluids

Working pressure:

For the above hose type there are no international standards available yet. The permissible working pressures are based on a safety factor of 1:2.5 (applicable to liquids)

Type 6000
Ultra-High Pressure Hose



Construction :

Core Tube :
 DN 4-8 : Polyoxymethylene,
 DN 10-25 : Polyamide
Pressure Reinforcement :
 Four spiral layers of high
 tensile steel wire
Cover:
 Polyamide, DN 4-8, blue,
 DN 10-25, black

Applications:

For use with petroleum or synthetic hydraulic fluids, gas and chemical fluids. Especially suitable for hydraulic pre-tensioning equipment test rigs, as well as in off shore applications.

CODE	O.D.	I.D.	Max W.P.(bar)	Min.B.P.(bar)	CONNECTION(see Tab.1)
6005	11,5	5	2500	6250	18 , 19
6008	12,5	8	2200	5250	20

Temperature range: -10°C up to +70°C for petroleum or synthetic hydraulic fluids

Working pressure:

For the above hose type there are no international standards available yet. The permissible working pressures are based on a safety factor of 1:2.5 (applicable to liquids)

Tab 1

REFER Number	DESCRIPTION
1	BSP Sealing Head (60°)G 1/4
2	BSP Sealing Head (60°)G 3/8
3	BSP Sealing Head (60°)G 1/2
4	BSP Sealing Head (60°)G 1
5	24° Sealing Cone/O-Ring M16x 1.5
6	24° Sealing Cone/O-Ring M22x 1.5
7	24° Sealing Cone/O-Ring M24x 1.5
8	24° Sealing Cone/O-Ring M36x 2
9	Metric Standpipe 6
10	Metric Standpipe 8
11	Metric Standpipe 10
12	BSP male G 1/4
13	BSP male G 3/8
14	BSP male G 1/2
15	NPT male 1/8
16	NPT male 1/4
17	NPT male 3/8
18	High Pressure Connector 59° cone 1/4 - 28 UNF
19	High Pressure Connector 59° cone 3/8 - 24 UNF
20	High Pressure Connector 59° cone 9/16 - 18 UNF
21	Quick connect fitting M 16 x 1.5

