

510D / 518D

SAE 100R7 / ISO 3949-R7 product range

Hose Construction

Inner tube:

Polyamide size -2 to -12

Polyester Elastomer size -16

Reinforcement:

High tensile synthetic fibre

Cover:

Abrasion resistant Polyurethane

510D: Black - pinpricked

518D: Orange - non pinpricked

Operating Parameters

Temperature Range:

- 40 °C up to + 100 °C *

Certifications:

SAE 100R7

ISO 3949 Type R7

MSHA compliant cover

518D electrical non conductive

acc. to SAEJ517 and ISO 3949



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Min. bend radius mm	Weight kg/m	Fittings	
	DN	Inch	Size	mm		Max. working pressure MPa	psi	Min. burst pressure MPa	psi				
510D-2		3	1/8	-2	3.2	8.6	21.0	3,000	84.0	12,000	13.0	0.05	56
510D-3	518D-3	5	3/16	-3	5	10.7	22.4	3,250	89.6	13,000	19.0	0.07	56
510D-4	518D-4	6	1/4	-4	6.3	11.7	21.0	3,000	84.0	12,000	38.0	0.09	56
510D-5	518D-5	8	5/16	-5	8	14.3	17.5	2,500	70.0	10,000	44.0	0.11	56
510D-6	518D-6	10	3/8	-6	10	16.0	15.8	2,250	63.2	9,000	51.0	0.14	56
510D-8	518D-8	12	1/2	-8	12.5	20.5	15.8	2,250	63.2	9,000	76.0	0.22	56
510D-10	518D-10	16	5/8	-10	16	24.6	19.2	2,750	76.8	11,000	152.0	0.31	56
510D-12	518D-12	19	3/4	-12	19	26.5	8.8	1,250	35.2	5,000	127.0	0.25	56
510D-16	518D-16	25	1	-16	25	33.4	7.0	1,000	28.0	4,000	203.0	0.40	56

- Twin and multiple hoses available
- Use 510D for air and gas applications
- Preforming possibility: Flexible solution with customized shape
- * Size -16 only: Max + 57 °C for synthetic and water based hydraulic fluids

