Synflex 3580
Medium Pressure Hydraulic Hose

Product Details

Applications

- Mobile Hydraulics
- Lubrication Systems
- Agriculture Equipment
- Construction Equipment
- Car Washes

Temperature Range

-40°F to 225°F (-40°C to 107°C) and water base or fire resistant fluids within a temperature range of -40°F to 150°F (-40°C to 66°C).

Working Pressure

2,250 to 3,500 psi (155 to 241 bar) and meets or exceeds SAE 100R7 and SAE 100R1 performance specifications.

Construction

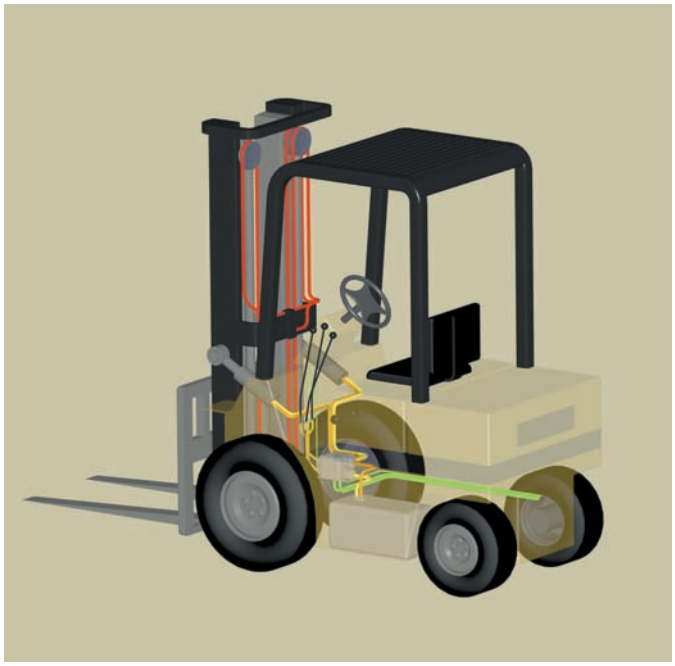
- Cover - non-perforated, black thermoplastic
- Reinforcement - single braid, high-tensile bronze coated carbon steel
- Core Tube - smooth, seamless thermoplastic

Features / Benefits

- **Cut/Crush Resistant**
  Heavy duty design for tough applications. Highly abrasive environments and high cut-through risk is ideal for this hose. Steel wire braiding makes it crush resistant.

- **Low Volumetric Expansion**
  Steel wire braiding makes for a low volumetric expanding hose. For applications when this is desired, consider the Synflex® 3580 hydraulic hose.

- **Flexibility**
  Highly flexible design is ideal for material handling, over-the-mast configurations and other demanding constant flexing applications.



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Product Specifications

PART NUMBER	NOMINAL I.D.		MAXIMUM O.D.		MAXIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		WEIGHT LB	WEIGHT KG
	in	mm	in	mm	in	mm	psi	bar	psi	bar	100ft	100m
3580-04	1/4	6.4	.485	12.3	1-3/4	44	3,500	241	14,000	965	10.3	15.3
3580-06	3/8	9.5	.645	16.4	2-1/4	57	3,250	224	13,000	896	18.1	26.9
3580-08	1/2	12.7	.765	19.4	3-1/4	83	3,000	207	12,000	828	20.7	30.8
3580-12	3/4	19.1	1.065	27.1	6	152	2,250	155	9,000	620	33.6	50.0

Assembly Information

HOSE DASH SIZE	FITTING SERIES	SWAGE DIE PART NO. 4540
-04	903	3W4
-06	903	306
-08	903	308
-12	903	312

Standard Compliance • SAE J517, SAE J343 • ASTM D-380, ASTM D-622

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