

HFSR Hybrid® SAE 100R1AT Hydraulic Hose

Copolyester Core Tube

Compact O.D. without reduced flow and up to 40% lighter than comparable rubber hoses.



Features

- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility
- Bend radius less than half of conventional SAE 100R1AT and 100R2 hoses
- Low force to flex

Construction

- Tube: Copolyester
- Reinforcement: High tensile steel wire braid
- Cover: Smooth Synthetic Rubber

Operating Parameters

- Temperature Range:
 - Petroleum based hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to 250°F (121°C)
 - Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to 185°F (85°C)
 - Water/glycol hydraulic fluids limited to 135°F (57°C)
- Vacuum Rating: 28 inch Hg
- Change in length at Max. Working Pressure: +2% to -4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Compliance

- Meets/Exceeds SAE J517 100R1AT
- MSHA compliant cover

Fittings

- 56 Series – pg. E-33
- For most Parker products, Crimp Die Selection charts are found online at www.parker.com/crimpsource
- Access instructions are on pg. G-3

Notes

- Non-perforated cover

Color

- ● Black

Series HFSR

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg/mtr	
HFSR04	1/4	6.3	0.46	11.7	3,263	22.5	1-1/2	38.1	0.10	0.15	56
HFSR05	5/16	8	0.52	13.2	3,118	21.5	1-3/4	44.5	0.12	0.18	56
HFSR06	3/8	10	0.61	15.5	2,611	18.0	2	50.8	0.17	0.25	56
HFSR08	1/2	12.5	0.74	18.8	2,500	17.2	3	76.2	0.21	0.31	56
HFSR12	3/4	19	1.02	25.9	1,523	10.5	4-1/2	108.0	0.31	0.46	56
HFSR16	1	25	1.31	33.2	1,276	8.8	7-1/2	190.5	0.44	0.66	56



WARNING

This product can expose you to chemicals including Antimony Oxide [Antimony Trioxide], which is known to the State of California to cause cancer, and 2-Imidazolidinethione, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.