

# Silicone Heater Hose

Standard Duty · 1-Ply Nylon Reinforced · Blue Cover

Hanna Rubber Company silicone heater hose is engineered for superior flexibility, durability, and long service life in heavy-duty cooling system applications. Constructed with a silicone tube, 1-ply nylon fiber reinforcement, and a blue silicone cover, this hose resists coolant additives, ozone, oil splash, UV exposure, hardening, cracking, cold leaks, and aging — extreme duty-cycle tested for demanding on-highway and off-highway environments.

- ✓ Silicone tube & cover
- ✓ 1-Ply nylon fiber reinforcement
- ✓ Blue cover standard
- ✓ Working pressure = 1/3 burst pressure
- ✓ Bend radius = 5x inside diameter
- ✓ Extreme duty-cycle tested

### COMPLIANCE & STANDARDS

Standard	Designation	Test Pressure (PSI)	Notes
SAE J20	R3 Class A	See size table below	Heater hose — normal service
TMC RP303B	Class I, Grade II	125 PSI (all sizes)	Truck/heavy equipment heater hose

### TEMPERATURE & PERFORMANCE RATINGS

Property	Value	Property	Value
Temperature Range	-65°F to +350°F (-54°C to +177°C)	Wall Thickness	.140" / .170"
Working Pressure	1/3 of Burst Pressure	Bend Radius	5x Inside Diameter
Tube / Cover Material	Silicone	Reinforcement	1-Ply Nylon Fiber
Standard Color	Blue (other colors available upon request)	Available Lengths	25 ft, 50 ft, 100 ft (custom lengths available upon request)

### DIMENSIONAL & PRESSURE DATA BY SIZE

Nominal ID	ID (in / mm)	OD (in / mm)	Wall Thickness	Weight (lb/ft)	Burst Pressure (PSI)	SAE J20 R3 Class A (PSI)	TMC RP303B Cl. I Gr. II (PSI)
1/4"	0.25" / 6mm	0.58" / 15mm	.140"/.170"	0.111	320	250	125
3/8"	0.38" / 10mm	0.71" / 18mm	.140"/.170"	0.145	300	250	125
1/2"	0.50" / 13mm	0.83" / 21mm	.140"/.170"	0.181	310	250	125
5/8"	0.63" / 16mm	0.96" / 24mm	.140"/.170"	0.216	300	250	125
3/4"	0.75" / 19mm	1.08" / 27mm	.140"/.170"	0.250	300	200	125
1"	1.00" / 25mm	1.33" / 34mm	.140"/.170"	0.324	250	175	125

Nominal ID	ID (in / mm)	OD (in / mm)	Wall Thickness	Weight (lb/ft)	Burst Pressure (PSI)	SAE J20 R3 Class A (PSI)	TMC RP303B Cl. I Gr. II (PSI)
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*Additional sizes available upon request.*

### TYPICAL APPLICATIONS

On-Highway Trucks & Buses	Off-Highway Equipment	Agricultural Machinery
Construction & Mining Equipment	Marine Cooling Systems	Industrial Equipment
Heater Core Supply & Return Lines	Coolant Overflow / Bypass Lines	Degas Bottle Connections

### RESISTANCE PROPERTIES

Property	Rating	Property	Rating
Coolant Additives	Excellent	Ozone / UV	Excellent
Oil Splash	Good	Hardening / Cracking	Excellent
Cold Leaks / Aging	Excellent	Extreme Temperatures	Excellent

### ORDERING INFORMATION

Standard lengths: **25 ft, 50 ft, and 100 ft.** Additional sizes and custom lengths available upon request. Blue cover is standard — other colors available upon request. Please specify nominal inside diameter and required length when ordering.

**HANNA RUBBER COMPANY**  
Kansas City, MO

[hannarubber.com](http://hannarubber.com)

America's First Choice for Rubber & Plastic Products

\* Specifications based on standard product construction. Specific test data available upon request. This product is not intended for fuel, oil transfer, or fuel vapor service. Use appropriate silicone-compatible hose clamps.