

SAE 100R Series	Reinforcement	Temp Range (F)	DIAMETER RANGE INCHES	Max Operating Range (PSI)	MINIMUM BEND RADIOUS INCHES	USAGE
100R1	Steel wire reinforced, rubber covered hydraulic hose (one wire braid)		3/16" to 2"	575 to 3,250 psi	3.5" to 25"	General use high- pressure hydraulic hose.
100R2	High pressure, steel wire reinforced, rubber covered hydraulic hose (two wire braid)		3/16" to 2"	1,150 to 6,000 psi	3.5" to 25"	Good for outdoor uses like construction and mining, as well as on mobile equipment.
100R3	Double fiber braid (non- metallic), rubber covered hydraulic hose		3/16" to 1-1/4"	375 to 1,500 psi	3" to 10"	General use as a low-pressure hydraulic hose, including antifreeze and hydraulic oil.
100R4	Wire inserted hydraulic suction hose		3/4" to 4"	35 to 300 psi	5" to 24"	Typically used as suction and return hoses for hydraulic systems.
100R5	Single wire braid, textile covered hydraulic hose		3/16" to 3-1/16"	35 to 300 psi	3" to 33"	Meant for medium- pressure applications, used in many automotive situations, including air brakes and power steering systems.

100R6	Single fiber braid (non-metallic), rubber covered hydraulic hose		3/16" to 3/4"	300 to 500 psi	2" to 6"	General use as a low-pressure hydraulic hose.
100R7	Thermoplastic hydraulic hose sythetic fiber reinforcement Black - conductive Orange - non-conductive	-40° to 199°	1/8" to 1"	1,000 to 3,000 psi	1" to 12"	Medium-pressure, non-conductive settings where steel reinforcement is not allowed.
100R8	High pressure thermoplastic hydraulic hose Synthetic fiber reinforcement Black - conductive Orange - non-conductive	-40° to 199°	1/8" to 1"	2,000 to 6,000 psi	1" to 12"	High-pressure, non-conductive settings where steel reinforcement is not allowed.
100R12	Heavy duty, high impulse, four-spiral wire reinforced, rubber covered hydraulic hose Heavy duty, high impulse, multiple-spiral wire reinforced, rubber covered hydraulic hose	-40° to 250°	3/8" to 2"	2,500 to 4,000 psi	5" to 25"	High-pressure applications in heavy-duty service settings.
100R13	Heavy duty, high impulse, multiple-spiral wire reinforced, rubber covered hydraulic hose	-40° to 250°	3/4" to 2"	5,000 psi	9.5" to 25"	High-pressure applications, where there is a high likelihood of pressure spikes, like forklifts or construction machinery.

100R14	Polytetrafluorethylene (PTFE) lined hydraulic hose, single stainless steel braid	-65° to 399°	3/16" to 1-1/4"	600 to 1,500 psi	1-1/2" to 16"	High-pressure applications handling superheated fluids.
100R15	Multiple steel wire spirals.	-40° to 250°	3/8" to 1-1/2"	6,000 psi	6" to 21"	For petroleum-based fluids only. High-pressure applications with steady working pressure, including logging, agriculture, and oilfield equipment.
100R16	One or two braids steel.		1/4" to 1-1/4"	1,800 to 5,800 psi	2" to 8"	High-pressure applications, where hose needs to be especially flexible.
100R17	One or two braids steel.		3/16" to 1"	3,000 psi	2" to 6"	High-pressure applications, rated for general industrial purposes.
100R18	Thermoplastic. Synthetic fiber	-40° to 199°	1/8" to 1"	3,000 psi	1" to 10"	High-pressure applications where non-conductive tubes are required.
100R19	One or two braids steel.		3/16" to 1"	4,000 psi	2" to 6"	High-pressure applications, rated for general industrial purposes.