

SAE J517 HYDRAULIC HOSE SPECIFICATION



SAE 100R Series	Description	Equivalent Gates Hose
100R1	Steel Wire Reinforced, Rubber Covered Hydraulic Hose (1 Wire Braid)	G1, G1H, AG-R1
100R2	High Pressure, Steel Wire Reinforced, Rubber Covered Hydraulic Hose (2 Wire)	G2, G2H, G2XH, AG-R2
100R3	Double Fiber Braid (Nonmetallic), Rubber Covered Hydraulic Hose	G3H
100R4	Wire inserted Hydraulic Suction Hose	GMV
100R5	Single Wire Braid, Textile Covered Hydraulic Hose	C5C
100R6	Single Fiber Braid (Nonmetallic), Rubber Covered Hydraulic Hose	GTH, GTHX
100R7	Thermoplastic Hydraulic Hose	TH7, TH7NC
100R8	High Pressure Thermoplastic Hydraulic Hose	TH8, TH8NC, TH18, TH18NC
100R12	Heavy Duty, High Impulse, Four Spiral Wire Reinforced, Rubber Covered Hydraulic Hose	EFG3K, EFG4K
100R13	Heavy Duty, High Impulse, Multiple Spiral Wire Reinforced, Rubber Covered Hydraulic Hose	EFG5K
100R14	PTFE Lined Hydraulic Hose	C14
100R15	Heavy Duty, High Impulse, Multiple Spiral Wire Reinforced, Rubber Covered Hydraulic Hose	EFG6K
100R16	Compact, 21 Mpa, Maximum Operating Pressure, 1 & 2 Steel Wire Reinforced with smaller bend radius	M2T®, M2T®Plus, CM2T
100R17	Compact high pressure, 1 & 2 Steel Wire Reinforced, Rubber Covered Hydraulic Hose	M3K
100R19	Compact 27.5 MPa maximum operating pressure, one- and two-steel wire reinforced rubber covered hydraulic hose with smaller bend radius	M4K+, M4KH

SAE standard J517 identifies seventeen major hydraulic hose types: 100R1 through 100R17. The number system reflects the order in which the hose was adopted by SAE. The number designation following the “R” identifies the specific requirements of a type of hose. These are some variations within several of these main types, which allow for skive or no-skive couplings or alternate reinforcement methods. In addition to SAE J517 100R hose, other SAE hoses are important to hydraulics, SAE J3R hoses are often used for return lines, as well as for fuel and multipurpose uses, SAE J51 describes the four major types of Freon hose.

GATES HYDRAULIC HOSE



» G1/AG-R1-SAE100R1



» G2/AG-R2-SAE100R2



» G3H – SAE100R3



» GMV – SAE100R4



» C5C – SAE100R5



» GTH – SAE100R6



» TH7 – SAE100R7



» TH8 – SAE100R8



» EFG3K/4K-SAE100R12



» EFG5K – SAE100R13



» C14 – SAE100R14



» EFG6K – SAE100R15



» M2T – SAE100R16



» M3K – SAE100R17



» M4K – SAE100R19