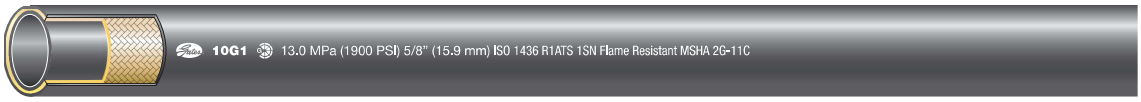
HYDRAULIC HOSE
TO EN / SAE STANDARD

G1



-size	DN	"	"	mm	PSI	MPa	PSI	MPa	mm	kg/100m	REF.
-4	6	1/4	0.53	13.5	3250	22.5	13000	90.0	50	22	4G1
-5	8	5/16	0.59	15.1	3100	21.5	12400	86.0	55	26	5G1
-6	10	3/8	0.69	17.1	2600	18.0	10400	72.0	65	32	6G1
-8	12	1/2	0.82	20.3	2325	16.0	9300	64.0	90	39	8G1
-10	16	5/8	0.94	23.5	1900	13.0	7600	52.0	100	46	10G1
-12	19	3/4	1.10	27.6	1525	10.5	6100	42.0	120	59	12G1
-16	25	1	1.41	35.4	1275	9.0	5100	36.0	150	84	16G1
-20	31	1.1/4	1.71	43.4	925	6.4	3700	25.6	210	128	20G1
-24	38	1.1/2	1.96	49.8	725	5.0	2900	20.0	250	145	24G1
-32	51	2	2.52	64.0	600	4.2	2400	16.8	315	205	32G1

RECOMMENDED FOR Medium pressure hydraulic applications.

TUBE NBR (Nitrile) based.

REINFORCEMENT One braid of high tensile steel wire.

COVER NBR/PVC based. MSHA approved.

TEMPERATURE RANGE -40°C to +100°C constant and +121°C intermittent. For water emulsions, etc. see Temperature Limits Table.

STANDARDS Exceeds ISO 1436 1SN R1ATS. EN 853 1SN. SAE 100R1AT.

COUPLINGS -4 to -20: MegaCrimp®; -24, -32: GlobalSpiral Plus.

TYPE APPROVALS DNV, GL, LR, BV and ABS.

CHARACTERISTICS/BENEFITS 50% of SAE 100R1 bend radius at rated working pressure.

Superior flex impulse performance: tested to 600,000 impulse cycles.

G1 hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

OPTIONAL 

G1H: For high-temperature applications, Gates recommends the G1H hose range up to +135°C constant. Please refer to page 67.