

**GATES HYDRAULIC**

**VERY HIGH PRESSURE**

**TUBE:** Black, oil resistant, synthetic rubber (Nitrile-Type C).  
**REINFORCEMENT:** Four layers of alternating high tensile steel wire.  
**COVER:** Black, oil resistant, synthetic rubber (Neoprene).  
**TEMPERATURE RANGE:** -40°C to +121°C (-40°F to +250°F).  
**RECOMMENDED FOR:** Extremely high pressure hydraulic applications. C12 (G4K) hose provides excellent impulse life; all sizes have surpassed 1,000,000 impulse cycles when tested at 121°C at the minimum bend radius specified by SAE 100R12 and at 133% of rated working pressure.  
**COUPLINGS:** GS page 23  
 PCM for -24 and -32 page 39

**C12M (G4K) (EFG4K)  
 Spiral Wire Hose  
 SAE 100R12**



**FEATURES:**

- Extremely flexible, surpasses 1,000,000 impulse cycles when tested with PCS series couplings at 250°F
- No internal skiving required when used with PCS couplings in -6 through -32
- Meets US MSHA 2G flame resistance acceptance designation
- USCF approved -12 through -32
- White layline for easy identification
- Sizes -12, -16, and -20 are one-half the bend radius of SAE for more flexibility

**BENEFITS:**

- Easy routing
- Use less hose
- Extended hose life
- Lower maintenance and replacement costs
- Approved for marine applications
- For Biodegradable Hydraulic Fluids

**MARKETS:**

- Construction/Mining equipment
- Agricultural equipment
- Marine
- In-plant equipment

**APPLICATION:**

- Combine
- Farm tractor
- Logging equipment
- Mobile construction equipment
- Earth moving equipment
- Oil field equipment
- Injection molding equipment
- Stationary presses and cutting machines

**SPECIFICATIONS**

PRODUCT I.D.			HOSE I.D. (IN.)	HOSE O.D. (IN.)	WORKING PRESSURE (PSI)	MIN. BURST PRESSURE (PSI)	MIN. BEND RADIUS (IN.)	WT. PER 100 FT. (LBS)	BOX QUANTITY
RB&H #	NO-SKIVE FERRULE RB&H #	AUTOMOTIVE REF. #							
6EFG4K	6GS1F-4	70811	3/8	0.80	4,000	16,000	5.0	48	100
8EFG4K	8GS1F-4	70863	1/2	0.94	4,000	16,000	7.0	58	100
10EFG4K	10GS1F-4	70813	5/8	1.09	4,000	16,000	4.0	65	100
12EFG4K	12GS1F-4	70831	3/4	1.21	4,000	16,000	4.8	92	100
16EFG4K	16GS1F-4	70832	1	1.50	4,000	16,000	6.0	127	100
20C12	20GS1F-4	70537	1 1/4	1.85	4,000	16,000	8.3	178	50
24C12	24PCS-1F	70365	1 1/2	2.11	2,500	10,000	20.0	191	50
32C12	32PCS-1F	70366	2	2.63	2,500	10,000	25.0	277	50

**SIMILAR TO:**  
 Parker - 77C

Abrasion resistant covers available.

**TUBE:** Black, oil resistant, synthetic rubber (Neoprene).  
**REINFORCEMENT:** Four alternating layers of spiraled, high-tensile steel wire and fabric.  
**COVER:** Black, oil resistant, synthetic rubber (Neoprene).

**TEMPERATURE RANGE:** -40°C to +121°C (-40°F to +250°F). SAE 100R12.  
**RECOMMENDED FOR:** G3K is designed to meet all requirements of SAE 100R12 specifications.  
**COUPLINGS:**  
 PCS Couplings -24 and -32 page 47

**G3K Hose  
 SAE 100R12**



**SPECIFICATIONS**

PRODUCT I.D.			HOSE I.D. (IN.)	HOSE O.D. (IN.)	WORKING PRESSURE (PSI)	MIN. BURST PRESSURE (PSI)	MIN. BEND RADIUS (IN.)	WT. PER 100 FT. (LBS)	BULK LENGTH (FT.)
RB&H #	NO-SKIVE FERRULE RB&H #								
24G3K	24PCS-1F		1 1/2	2.11	3,000	12,000	2.0	26.8	50
32G3K	32PCS-1F-G3K		2	2.63	3,000	12,000	2.5	33.6	50

Cannot use 32PCS-1F on 32G3K must use 32PCS-1F-G3K ferrule.

**FEATURES:**

- -24 and -32 hose in 3,000 psi working pressure

**APPLICATION:**

- Water emulsions
- Water
- Glycol solutions

**BENEFITS:**

- Use less expensive hose for 3,000 psi pressure requirements

**GATES HYDRAULIC**

**VERY HIGH PRESSURE**

**GS4 4-Spiral Wire Hose  
SAE 100R12**



**TUBE:** Black, oil-resistant synthetic rubber (Neoprene).  
**REINFORCEMENT:** Four alternating layers of high-tensile steel wire.  
**COVER:** Gray, oil resistant, synthetic rubber (Neoprene).  
**TEMPERATURE RANGE:** -40°C to +121°C (-40°F to +250°F).  
**RECOMMENDED FOR:** Very high pressure oil line. SAE100R12  
**COUPLINGS:** PCS page 47.

**FEATURES:**

- USCG Approved

**MARKETS:**

- Construction Mining equipment
- Agricultural equipment
- Marine

**APPLICATION:**

- Combine
- Farm tractor
- Logging equipment
- Mobile construction equipment
- Earth moving equipment

**BENEFITS:**

- Covers a wide variety of pressure requirements up to 4,000 psi
- Approved for marine applications
- Can be used with CAT reusable or permanent crimp fittings

SIMILAR TO:  
Parker - 77C  
Cat - XT4

**SPECIFICATIONS**

PRODUCT I.D.			HOSE I.D. (IN.)	HOSE O.D. (IN.)	WORKING PRESSURE (PSI)	MIN. BURST PRESSURE (PSI)	MIN. BEND RADIUS (IN.)	WT. PER 100 FT. (LBS)
RB&H #	FERRULE RB&H #	AUTOMOTIVE REF. #						
8GS4	8PCS-1F	70318	½	0.92	4,000	16,000	7.0	58
12GS4	12PCS2F	70328	¾	1.21	4,000	16,000	9.5	87
16GS4	16PCS2F	70321	1	1.50	4,000	16,000	1.2	140
20GS4	20PCS2F	70322	1 ¼	1.85	3,000	12,000	16.5	184
24GS4	24PCS2F	70323	1 ½	2.11	2,500	10,000	2.0	210
32GS4	32PCS2F	70324	2	2.63	2,500	10,000	2.5	281

\* 50' packaging available