



# MEGASPIRAL<sup>®</sup> HYDRAULIC HOSES

Now Proven to Meet or Beat 1/2 SAE Bend Radius Specs

megaSYS<sup>®</sup>

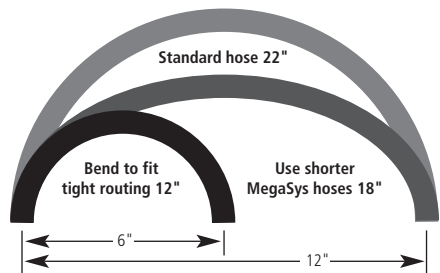


- 3,000 to 6,000 psi (20.7 to 41.4 MPa) working pressures
- New flexibility in 3/8" to 1-1/2" (9.5 to 38.1 mm) hoses
- Simplified hose selection with constant pressure ratings thru all sizes
- Allows use of shorter lengths
- Facilitates easier routing in tight applications
- Eases installation with higher flexibility
- Requires fewer bent tube fittings
- Increases design versatility
- Extends life in bending, flexing applications
- Lowers inventory requirements
- Color-coded layline for easy identification in stock or in service
- Available with abrasion-resistant MegaTuff<sup>®</sup> cover
- **Reduces hose costs by as much as 47 percent**





## TESTED AT 1,000,000 IMPULSE CYCLES & ABOVE MAXIMUM WORKING PRESSURES TO STAND UP TO YOUR MOST DEMANDING APPLICATIONS



Up to One-Half SAE Bend Radius Specification  
Illustration of 1" MegaSys® hose flexibility and reduced hose length requirements

To meet the challenges of your extreme high-pressure, high-impulse hydraulic applications up to 6,000 psi (41.4 MPa), Gates now offers even more flexibility. Part of our new, improved MegaSys® line, MegaSpiral® hoses are tested

and proven to work at one-half SAE bend radius specifications – an advantage that can save you up to 47 percent on hose costs.

These hoses are ideal for applications such as hydrostatic transmissions. They can handle biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Both are compatible with Gates two-piece, no-skive GlobalSpiral™ couplings for outstanding, leak-free performance and easy assembly fabrication.

For more flexibility in your toughest high-pressure applications, choose Gates MegaSpiral hoses – bent on saving you money.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile – Type C).

**Reinforcement:** Four or six alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil resistant, synthetic rubber (Neoprene – Type A); available with unique abrasion-resistant MegaTuff® cover.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C).

### EFG6K SPIRAL WIRE HOSE – SAE 100R15



Description	I.D. (in.)	(mm)	O.D. (in.)	(mm)	Max. Working Pressure (psi)	(MPa)	Min. Burst Pressure (psi)	(MPa)	SAE Min. Bend Radius (in.)	(mm)	Gates Min. Bend Radius (in.)	(mm)
6EFG6K	3/8	9.5	0.80	20.3	6,000	41.4	24,000	165.5	5.0	127.0	2.5	63.5
8EFG6K	1/2	12.7	0.95	24.1	6,000	41.4	24,000	165.5	8.0	203.2	3.5	88.9
10EFG6K	5/8	15.9	1.09	27.7	6,000	41.4	24,000	165.5	NA	NA	4.0	101.6
12EFG6K	3/4	19.1	1.24	31.5	6,000	41.4	24,000	165.5	10.5	273.1	4.75	120.7
16EFG6K	1	25.4	1.53	38.9	6,000	41.4	24,000	165.5	13.0	330.2	6.0	152.4
20EFG6K	1 1/4	31.8	1.97	50.0	6,000	41.4	24,000	165.5	17.5	444.5	8.25	209.6
24EFG6K	1 1/2	38.1	2.26	57.4	6,000	41.4	24,000	165.5	21.0	533.4	10.0	254.0

## EFG5K SPIRAL WIRE HOSE – SAE 100R13



Description	I.D. (in.)	(mm)	O.D. (in.)	(mm)	Max. Working Pressure (psi)	(MPa)	Min. Burst Pressure (psi)	(MPa)	SAE Min. Bend Radius (in.)	(mm)	Gates Min. Bend Radius (in.)	(mm)
6EFG5K	3/8	9.5	0.80	20.3	5,000	34.5	20,000	137.9	5.0	127.0	2.5	63.5
8EFG5K	1/2	12.7	0.95	24.1	5,000	34.5	20,000	137.9	NA	NA	3.5	88.9
10EFG5K	5/8	15.9	1.09	27.7	5,000	34.5	20,000	137.9	NA	NA	4.0	101.6
12EFG5K	3/4	19.1	1.24	31.5	5,000	34.5	20,000	137.9	9.5	241.3	4.75	120.7
16EFG5K	1	25.4	1.53	38.9	5,000	34.5	20,000	137.9	12.0	304.8	6.0	152.4
20EFG5K	1 1/4	31.8	1.97	50.0	5,000	34.5	20,000	137.9	16.5	419.1	8.25	209.6
24EFG5K	1 1/2	38.1	2.26	57.4	5,000	34.5	20,000	137.9	20.0	508.0	10.0	254.0

## EFG4K SPIRAL WIRE HOSE – SAE 100R12



Description	I.D. (in.)	(mm)	O.D. (in.)	(mm)	Max. Working Pressure (psi)	(MPa)	Min. Burst Pressure (psi)	(MPa)	SAE Min. Bend Radius (in.)	(mm)	Gates Min. Bend Radius (in.)	(mm)
8EFG4K	1/2	12.7	0.94	23.9	4,000	27.6	16,000	110.3	7.0	177.8	3.5	88.9
10EFG4K	5/8	15.9	1.09	27.7	4,000	27.6	16,000	110.3	8.0	203.2	4.0	101.6
12EFG4K	3/4	19.1	1.21	30.7	4,000	27.6	16,000	110.3	9.5	241.3	4.75	120.7
16EFG4K	1	25.4	1.50	38.1	4,000	27.6	16,000	110.3	12.0	304.8	6.0	152.4
20EFG4K	1 1/4	31.8	1.85	47.0	4,000	27.6	16,000	110.3	16.5	419.1	8.25	209.6

## EFG3K SPIRAL WIRE HOSE – SAE 100R12



Description	I.D. (in.)	(mm)	O.D. (in.)	(mm)	Max. Working Pressure (psi)	(MPa)	Min. Burst Pressure (psi)	(MPa)	SAE Min. Bend Radius (in.)	(mm)	Gates Min. Bend Radius (in.)	(mm)
20EFG3K	1 1/4	31.8	1.85	47.0	3,000	20.7	12,000	82.7	16.5	419.1	8.25	209.6
24EFG3K	1 1/2	38.1	2.11	53.6	3,000	20.7	12,000	82.7	20.0	508.0	10.0	254.0



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