



April 11, 2005

## G2XH Hose

Gates has released sizes -8 through -16 of our new G2XH hose. In continued efforts to develop Global products, Gates will be replacing the current G2AT-HMP hose line with the new G2XH, which will be a global wire braid hose. G2AT-HMP will be cancelled and orders for G2AT-HMP will be fulfilled with G2XH as inventory is depleted.

Although G2XH has similar performance specifications, improvements include:

- Working pressure ratings that exceed the performance requirements of SAE100R2S and EN853 2SN.
- G2XH has a new blue CSM (Hypalon) cover that improves hose performance in high temperature applications. (G2AT-HMP is constructed with a Neoprene cover). The CSM rubber compound has better heat and resistance to exotic fluids than Neoprene.
- Future additional coverage of G2XH will include sizes -4 and -6; sizes not available with G2AT-HMP.

**Due to different constructions, G2XH will have crimp specifications that are different than G2AT-HMP.**

## eXtreme Heat G2XH Hose

**Recommended For:** High-pressure hydraulic applications where pressures or temperatures requirements exceed SAE 100R2AT or where resistance to either petroleum-base or phosphate ester fluids is required. Meets performance requirements of DIN 20022 2SN and EN853 2SN.

**Tube:** Black, oil and chemical resistant synthetic rubber. (CPE)

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover** Black, oil and abrasion resistant thin synthetic rubber. (CPE)  
Flame resistance - U.S. MSHA 2G

**Temperature Range:** Petroleum based fluids: -40°F. to +300°F.  
Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F. For water emulsions: Max. +225°F  
Pressure lines, Max. +180°F Return lines.

**Couplings:** Permanent, No-skive Megacrimp.

Status	Description	Product No.	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (psi)	Minimum Burst Pressure (psi)	Minimum Bend Radius (In.)	Wt. Per 100ft. (Lbs.)
Development	4G2XH	4657-2541	¼	.58	5,800	23,200	4.0"	28
Development	6G2XH	4657-2542	3/8	.73	4,800	19,200	5.0"	36
Released	8G2XH	4657-2543	½	.86	4,000	16,000	7.0	44
Released	10G2XH	4657-2544	5/8	.98	3,625	14,500	8.0	52
Released	12G2XH	4657-2545	¾	1.14	3,100	12,400	9.5	63
Released	16G2XH	4657-2546	1	1.48	2,500	10,000	12.0	95

\* Sizes ¼" and 3/8 are still under technical development and are not yet available.

# Crimp Information

## Crimp Data for the released size of 1/2" (-8)

G2XH Crimp Data	707	OmniCrimp 21	4-20
Stem	8G	8G	8G
Insertion Length	1.25	1.25	1.25
Crimp O.D.	1.050	1.050	1.050
Die Set	733	OM33	MC33
Approx Digital Readout	7.58	1.377	340

## Crimp Data for the released size of 5/8" (-10)

G2XH Crimp Data	707	OmniCrimp 21	4-20
Stem	10G	10G	10G
Insertion Length	1.12	1.12	1.12
Crimp O.D.	1.17	1.17	1.17
Die Set	734	OM34	MC34
Approx Digital Readout	5.89	1.418	255

## Crimp Data for the released size of 3/4" (-12)

G2XH Crimp Data	707	OmniCrimp 21	4-20
Stem	12G	12G	12G
Insertion Length	1.50	1.50	1.50
Crimp O.D.	1.395	1.395	1.395
Die Set	735	OM35	MC35
Approx Digital Readout	8.17	1.363	355

## Crimp Data for the released size of 1" (-16)

G2XH Crimp Data	707	OmniCrimp 21	4-20
Stem	16G	16G	16G
Insertion Length	1.75	1.75	1.75
Crimp O.D.	1.76	1.76	1.76
Die Set	737	OM37	MC37
Approx Digital Readout	6.65	1.398	290