

**Data sheet**

Sheet No.: GHI 1.11 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G01001.7-SR1	Start	18470								11369	18294
	Min.	8749								4862	8543
	End	14776								7286	14211
G01002.0-SR1	Start	18470						8851	13887		
	Min.	8749						3500	6201		
	End	14776						4768	9804		
G01002.2-SR1	Start	18470					10949	17769			
	Min.	8749					4639	8264			
	End	14776					6866	13686			
G01002.5-SR1	Start	18470				10110	18923				
	Min.	8749				4184	8877				
	End	14776				6027	14840				
G01003.0-SR1	Start	18470			10529	23960					
	Min.	8749			4412	11554					
	End	14776			6447	19877					
G01003.5-SR1	Start	18470		11998	21441						
	Min.	8749		5197	10216						
	End	14776		7915	17359						
G2001.7-SR4	Start	20678								14834	23217
	Min.	9903								6683	11138
	End	16917								10677	19060
G2002.0-SR4	Start	20678						11786	17882	30076	
	Min.	9903						5063	8303	14776	
	End	16917						7629	13726	25919	
G2002.2-SR4	Start	20678					14326	22582	30838		
	Min.	9903					6413	10800	15179		
	End	16917					10169	18425	26681		
G2002.5-SR4	Start	20678				13310	23979	34648			
	Min.	9903				5873	11543	17190			
	End	16917				9153	19822	30491			
G2003.0-SR4	Start	20678			13818	30076					
	Min.	9903			6143	14776					
	End	16917			9661	25919					
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.12 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G2003.5-SR4	Start	20678		15596	27027						
	Min.	9903		7088	13163						
	End	16917		11439	22871						
G2004.0-SR4	Start	20678	11786	27027							
	Min.	9903	5063	13163							
	End	16917	7629	22871							
G2001.7-SR3	Start	24139							12101	20484	
	Min.	11457							4892	9370	
	End	19390							6852	15235	
G2002.0-SR3	Start	24139						15149	27343		
	Min.	11457						6534	13015		
	End	19390						9900	22094		
G2002.2-SR3	Start	24139					19849	28105			
	Min.	11457					9032	13420			
	End	19390					14600	22856			
G2002.5-SR3	Start	24139				21246	31915				
	Min.	11457				9775	15445				
	End	19390				15997	26666				
G2003.0-SR3	Start	24139			27343						
	Min.	11457			13015						
	End	19390			22094						
G2003.5-SR3	Start	24139		12863	24294						
	Min.	11457		5306	11395						
	End	19390		7614	19045						
G2004.0-SR3	Start	24139		24294							
	Min.	11457		11395							
	End	19390		19045							
G2001.7-SR2	Start	26818									17517
	Min.	12882									7794
	End	22074									12273
G2002.0-SR2	Start	26818								24376	
	Min.	12882								11440	
	End	22074								19132	
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.13 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G2002.2-SR2	Start	26818						16882	25138		
	Min.	12882						7457	11845		
	End	22074						11638	19894		
G2002.5-SR2	Start	26818					18279	28948			
	Min.	12882					8199	13870			
	End	22074					13035	23705			
G2003.0-SR2	Start	26818				24376					
	Min.	12882				11440					
	End	22074				19132					
G2003.5-SR2	Start	26818			21327						
	Min.	12882			9820						
	End	22074			16084						
G2004.0-SR2	Start	26818		21327							
	Min.	12882		9820							
	End	22074		16084							
G2002.0-SR1	Start	30997								21137	
	Min.	14742								9320	
	End	25004								14513	
G2002.2-SR1	Start	30997					13643	21899			
	Min.	14742					5291	9725			
	End	25004					7020	15276			
G2002.5-SR1	Start	30997				15041	25710				
	Min.	14742				6049	11750				
	End	25004				8417	19086				
G2003.0-SR1	Start	30997				21137					
	Min.	14742				9320					
	End	25004				14513					
G2003.5-SR1	Start	30997			18089						
	Min.	14742			7700						
	End	25004			11465						
G2004.0-SR1	Start	30997		18089							
	Min.	14742		7700							
	End										
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.14 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)	Operating Pressure (PSIG)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Pressure Torque Output Start/Min./End (lb-in)								
G3002.0-SR4	Start	36568								28730
	Min.	17123								12714
	End	28566								19886
G3002.2-SR4	Start	36568						20381	37699	55017
	Min.	17123						8239	17480	26684
	End	28566						11536	28854	46172
G3002.5-SR4	Start	36568				14814	26411	38008	61202	
	Min.	17123				4253	9431	14494	24616	
	End	28566				5970	17567	29164	52358	
G3003.0-SR4	Start	36568			23628	42028	60429			
	Min.	17123			8215	16249	24281			
	End	28566			14784	33184	51584			
G3003.5-SR4	Start	36568		21308	47749					
	Min.	17123		7181	18746					
	End	28566		12464	38905					
G3004.0-SR4	Start	36568	22004	39863						
	Min.	17123	7491	15304						
	End	28566	13160	31019						
G3004.5-SR4	Start	36568	14660	37776	60893					
	Min.	17123	4182	14392	24482					
	End	28566	5815	28932	52048					
G3002.2-SR3	Start	42128							33485	50803
	Min.	19573							14682	23886
	End	32379							22709	40027
G3002.5-SR3	Start	42128					22197	33794	56988	
	Min.	19573					7071	12195	22321	
	End	32379					11421	23018	46212	
G3003.0-SR3	Start	42128			19414	37814	56215			
	Min.	19573			5812	13951	21984			
	End	32379			8638	27039	45439			
G3003.5-SR3	Start	42128		17095	43536					
	Min.	19573		4735	16448					
	End	32379		6319	32760					
Actuator Model	Spring Torque Start/Min./End (lb-in)	Pressure Torque Output Start/Min./End (lb-in)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.15 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G3004.0-SR3	Start	42128		17791	35650						
	Min.	19573		5062	13005						
	End	32379		7015	24874						
G3004.5-SR3	Start	42128		33562	56679						
	Min.	19573		12094	22186						
	End	32379		22786	45903						
G3002.2-SR2	Start	49017							28405	45723	
	Min.	22571							11168	20454	
	End	36975							15095	32413	
G3002.5-SR2	Start	49017						28714	51908		
	Min.	22571						11336	23741		
	End	36975						15405	38598		
G3003.0-SR2	Start	49017				32734	51135				
	Min.	22571				11104	19164				
	End	36975				19425	37825				
G3003.5-SR2	Start	49017			38455						
	Min.	22571			13629						
	End	36975			25146						
G3004.0-SR2	Start	49017		30569							
	Min.	22571		10139							
	End	36975		17260							
G3004.5-SR2	Start	49017	28482	51598							
	Min.	22571	9209	19367							
	End	36975	15173	38289							
G3002.2-SR1	Start	54045							22603	39921	
	Min.	25307							8053	17442	
	End	42224							9539	26857	
G3002.5-SR1	Start	54045						22913	46106		
	Min.	25307						8227	20729		
	End	42224						9848	33042		
G3003.0-SR1	Start	54045				26933	45333				
	Min.	25307				10448	20318				
	End	42224				13868	32269				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.16 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G3003.5-SR1	Start	54045				32654					
	Min.	25307				13553					
	End	42224				19589					
G3004.0-SR1	Start	54045			24768						
	Min.	25307			9271						
	End	42224			11703						
G3004.5-SR1	Start	54045		22681	45797						
	Min.	25307		8097	20564						
	End	42224		9616	32732						
G4002.5-SR4	Start	68780							41383	65416	
	Min.	30993							15671	28620	
	End	49535							20113	44146	
G4003.0-SR4	Start	68780					46640	66918	107474	148030	
	Min.	30993					18525	29419	50973	72514	
	End	49535					25370	45648	86204	126760	
G4003.5-SR4	Start	68780				35375	65416	95458	125499		
	Min.	30993				12310	28620	44586	60553		
	End	49535				14105	44146	74188	104229		
G4004.0-SR4	Start	68780				69172	110479	151786			
	Min.	30993				30616	52570	74496			
	End	49535				47902	89209	130516			
G4004.5-SR4	Start	68780			53400	107474					
	Min.	30993			22194	50973					
	End	49535			32130	86204					
G4005.0-SR4	Start	68780		47767	81939	150284					
	Min.	30993		19136	37402	73703					
	End	49535		26497	60669	129014					
G4006.0-SR4	Start	68780	46640	97335	148030						
	Min.	30993	18525	45584	72514						
	End	49535	25370	76065	126760						
G4003.0-SR3	Start	83046							56725	97281	137837
	Min.	37118							22219	43945	65499
	End	58758							29881	70437	110993
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**EMERSON**  
Process Management

**Data sheet**

Sheet No.: GHI 1.17 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G4003.5-SR3	Start	83046					55223	85265	115306		
	Min.	37118					21404	37558	53524		
	End	58758					28379	58420	88462		
G4004.0-SR3	Start	83046				58978	100285	141592			
	Min.	37118				23442	45541	67495			
	End	58758				32134	73441	114748			
G4004.5-SR3	Start	83046			43207	97281					
	Min.	37118			14727	43945					
	End	58758			16362	70437					
G4005.0-SR3	Start	83046		37574	71746	140090					
	Min.	37118		10729	30372	66696					
	End	58758		10729	44901	113246					
G4006.0-SR3	Start	83046	36447	87142	137837						
	Min.	37118	9603	38556	65499						
	End	58758	9603	60298	110993						
G4003.0-SR2	Start	98380								85498	126054
	Min.	43917								36187	57744
	End	69419								53488	94044
G4003.5-SR2	Start	98380						73481	103522		
	Min.	43917						29665	45769		
	End	69419						41471	71513		
G4004.0-SR2	Start	98380					88502	129809			
	Min.	43917					37786	59739			
	End	69419					56492	97799			
G4004.5-SR2	Start	98380				85498					
	Min.	43917				36187					
	End	69419				53488					
G4005.0-SR2	Start	98380			59962	128307					
	Min.	43917			22308	58941					
	End	69419			27953	96297					
G4006.0-SR2	Start	98380		75359	126054						
	Min.	43917		30684	57744						
	End	69419		43349	94044						
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.18 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)	Operating Pressure (PSIG)									
		500	750	1000	1500	2000	2500	3000	4000	5000	
		Pressure Torque Output Start/Min./End (lb-in)									
G4003.0-SR1	Start	112377								71529	112085
	Min.	50963								28126	49886
	End	82057								38017	78573
G4003.5-SR1	Start	112377					59512	89554			
	Min.	50963					21520	37909			
	End	82057					26001	56042			
G4004.0-SR1	Start	112377				74533	115840				
	Min.	50963				29756	51881				
	End	82057				41022	82329				
G4004.5-SR1	Start	112377			71529						
	Min.	50963			28126						
	End	82057			38017						
G4005.0-SR1	Start	112377			114338						
	Min.	50963			51083						
	End	82057			80827						
G4006.0-SR1	Start	112377	61390	112085							
	Min.	50963	22576	49886							
	End	82057	27878	78573							
G5003.5-SR4	Start	153744							148970	213118	
	Min.	65419							60966	95260	
	End	97370							86663	150810	
G5004.0-SR4	Start	153744					125644	172296	265602	358907	
	Min.	65419					48305	73565	123154	172743	
	End	97370					63336	109989	203294	296599	
G5004.5-SR4	Start	153744				145082	208258	271433			
	Min.	65419				58856	92677	126253			
	End	97370				82775	145950	209126			
G5005.0-SR4	Start	153744			137307	218949	300591				
	Min.	65419			54635	98359	141750				
	End	97370			74999	156641	238284				
G5006.0-SR4	Start	153744		141195	265602						
	Min.	65419		56746	123154						
	End	97370		78887	203294						
Actuator Model	Spring Torque Start/Min./End (lb-in)	Pressure Torque Output Start/Min./End (lb-in)									
		500	750	1000	1500	2000	2500	3000	4000	5000	
		Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GHI 1.19 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Pressure Torque Output Start/Min./End (lb-in)									
G5007.0-SR4	Start	153744		154802	242275							
	Min.	65419		64131	110757							
	End	97370		92494	179968							
G5008.0-SR4	Start	153744	125644	242275	358907							
	Min.	65419	48305	110757	172743							
	End	97370	63336	179968	296599							
G5003.5-SR3	Start	183943								129739	193887	
	Min.	77756								45702	80829	
	End	114769								53284	117432	
G5004.0-SR3	Start	183943							153066	246371	339676	
	Min.	77756							58672	108845	158434	
	End	114769							76610	169916	263221	
G5004.5-SR3	Start	183943					125852	189027	252203			
	Min.	77756					43516	78191	111944			
	End	114769					49396	112572	175747			
G5005.0-SR3	Start	183943				118076	199718	281361				
	Min.	77756				38999	83994	127441				
	End	114769				41621	123263	204905				
G5006.0-SR3	Start	183943			121964	246371						
	Min.	77756			41299	108845						
	End	114769			45509	169916						
G5007.0-SR3	Start	183943		135571	223045							
	Min.	77756		48982	96448							
	End	114769		59116	146589							
G5008.0-SR3	Start	183943	106413	223045	339676							
	Min.	77756	29958	96448	158434							
	End	114769	29958	146589	263221							
G5004.0-SR2	Start	228222								222993	316298	
	Min.	94407								88467	138622	
	End	135921								120976	214281	
G5004.5-SR2	Start	228222						165649	228824			
	Min.	94407						56783	91632			
	End	135921						63632	126808			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GHI 1.20 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)	Operating Pressure (PSIG)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Pressure Torque Output Start/Min./End (lb-in)								
G5005.0-SR2	Start	228222					176340	257982		
	Min.	94407					62796	107458		
	End	135921					74323	155966		
G5006.0-SR2	Start	228222			222993					
	Min.	94407			88467					
	End	135921			120976					
G5007.0-SR2	Start	228222		199666						
	Min.	94407		75806						
	End	135921		97650						
G5008.0-SR2	Start	228222	199666	316298						
	Min.	94407	75806	138622						
	End	135921	97650	214281						
G5004.0-SR1	Start	254302							195903	289209
	Min.	108027							73178	123723
	End	160430							92151	185456
G5004.5-SR1	Start	254302						201735		
	Min.	108027						76374		
	End	160430						97982		
G5005.0-SR1	Start	254302				149251	230893			
	Min.	108027				45498	92200			
	End	160430				45498	127140			
G5006.0-SR1	Start	254302			195903					
	Min.	108027			73178					
	End	160430			92151					
G5007.0-SR1	Start	254302		172577						
	Min.	108027		60061						
	End	160430		68824						
G5008.0-SR1	Start	254302	172577	289209						
	Min.	108027	60061	123723						
	End	160430	68824	185456						
G7004.0-SR4	Start	292752							208125	312497
	Min.	125729							76325	133080
	End	189424							93920	198292
Actuator Model	Spring Torque Start/Min./End (lb-in)	Pressure Torque Output Start/Min./End (lb-in)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.21 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Pressure Torque Output Start/Min./End (lb-in)									
G7004.5-SR4	Start	292752								225421	370349	515277
	Min.	125729								85894	163826	56942
	End	189424								111216	256144	401072
G7005.0-SR4	Start	292752					171147	266275	361403	551658		
	Min.	125729					55162	108068	159072	260187		
	End	189424					56942	152070	247198	437453		
G7006.0-SR4	Start	292752				233472	381084	528696	676308			
	Min.	125729				90264	169532	247984	326435			
	End	189424				119267	266879	414491	562103			
G7007.0-SR4	Start	307382			209914	419553	629192					
	Min.	129277			77331	189977	301394					
	End	189424			95709	305348	51498					
G7008.0-SR4	Start	292752		212449	353053	634261						
	Min.	125729		78756	154634	304088						
	End	189424		98244	238848	520056						
G7009.0-SR4	Start	292752		334117	515277							
	Min.	125729		144570	240852							
	End	189424		219912	401072							
G7010.0-SR4	Start	292752	243611	470099	696586							
	Min.	125729	95767	216841	337212							
	End	189424	129406	355894	582381							
G7004.0-SR3	Start	348203										275551
	Min.	148835										105332
	End	222851										137005
G7004.5-SR3	Start	348203									333403	478331
	Min.	148835									136733	214182
	End	222851									194857	339785
G7005.0-SR3	Start	348203						229329	324457	514712		
	Min.	148835						79571	131877	233517		
	End	222851						90783	185911	376166		
G7006.0-SR3	Start	348203					344139	491750	639362			
	Min.	148835					142560	221314	299765			
	End	222851					205592	353204	500816			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GHI 1.22 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G7007.0-SR3	Start	348203				382607	592246				
	Min.	148835				163307	274724				
	End	222851				244061	453699				
G7008.0-SR3	Start	348203			316107	597315					
	Min.	148835			127345	277419					
	End	222851			177561	458769					
G7009.0-SR3	Start	348203		297171	478331						
	Min.	148835		117067	214182						
	End	222851		158625	339785						
G7010.0-SR3	Start	348203	206666	433153	659640						
	Min.	148835	66352	190171	310543						
	End	222851	68119	294607	521094						
G7004.5-SR2	Start	442747							289824	434752	
	Min.	182699							90360	172295	
	End	262280							90360	235288	
G7005.0-SR2	Start	442747						280877	471133		
	Min.	182699						81414	192041		
	End	262280						81414	271669		
G7006.0-SR2	Start	442747				300559	448171	595783			
	Min.	182699				97315	179578	259000			
	End	262280				101095	248707	396319			
G7007.0-SR2	Start	442747				339027	548666				
	Min.	182699				119543	233959				
	End	262280				139564	349203				
G7008.0-SR2	Start	442747				553736					
	Min.	182699				236653					
	End	262280				354272					
G7009.0-SR2	Start	442747			434752						
	Min.	182699			172295						
	End	262280			235288						
G7010.0-SR2	Start	442747		389573	616061						
	Min.	182699		147773	269777						
	End	262280		190110	416597						
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.23 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G7004.5-SR1	Start	524480									382101
	Min.	216176									130330
	End	309916									144952
G7005.0-SR1	Start	524480								418482	
	Min.	216176								150790	
	End	309916								181333	
G7006.0-SR1	Start	524480						395521	543133		
	Min.	216176						137877	219090		
	End	309916						158371	305983		
G7007.0-SR1	Start	524480					496016				
	Min.	216176					193517				
	End	309916					258867				
G7008.0-SR1	Start	524480				501086					
	Min.	216176				196268					
	End	309916				263936					
G7009.0-SR1	Start	524480			382101						
	Min.	216176			130330						
	End	309916			144952						
G7010.0-SR1	Start	524480		336923	563411						
	Min.	216176		99774	230097						
	End	309916		99774	326261						
G8005.0-SR3	Start	506707								388824	586038
	Min.	227463								159960	265221
	End	361932								228809	426023
G8006.0-SR3	Start	506707						404022	564832	886452	
	Min.	227463						168209	253950	424883	
	End	361932						244007	404817	726437	
G8007.0-SR3	Start	506707				302941	537264	771588	1005911		
	Min.	227463				113313	239299	363835	488372		
	End	361932				142926	377249	611573	845896		
G8008.0-SR3	Start	506707				557410	876556				
	Min.	227463				250006	419623				
	End	361932				397395	716541				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.24 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G8009.0-SR3	Start	506707			430529	845808					
	Min.	227463			182572	403281					
	End	361932			270514	685793					
G8010.0-SR3	Start	506707		384053	645414						
	Min.	227463		157370	296777						
	End	361932		224038	485399						
G8012.0-SR3	Start	506707	371506	757274							
	Min.	227463	150560	356228							
	End	361932	211491	597259							
G8005.0-SR2	Start	596708							318622	515835	
	Min.	267642							111696	219451	
	End	425448							129335	326548	
G8006.0-SR2	Start	596708					333819	494630	816250		
	Min.	267642					120242	208044	379113		
	End	425448					144532	305342	626963		
G8007.0-SR2	Start	596708				467062	701386	935709			
	Min.	267642				193081	318066	442602			
	End	425448				277775	512098	746422			
G8008.0-SR2	Start	596708			487208	806354					
	Min.	267642			204015	373853					
	End	425448			297920	617067					
G8009.0-SR2	Start	596708		360327	775606						
	Min.	267642		135148	357512						
	End	425448		171039	586319						
G8010.0-SR2	Start	596708		313851	575211						
	Min.	267642		109012	251008						
	End	425448		124563	385924						
G8012.0-SR2	Start	596708	301304	687072							
	Min.	267642	101861	310458							
	End	425448	112017	497785							
G8006.0-SR1	Start	740334							411092	732712	
	Min.	324312							136461	312981	
	End	501030							146597	468218	
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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Process Management

**Data sheet**

Sheet No.: GHI 1.25 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)	Operating Pressure (PSIG)									
		500	750	1000	1500	2000	2500	3000	4000	5000	
		Pressure Torque Output Start/Min./End (lb-in)									
G8007.0-SR1	Start	740334						617848	852171		
	Min.	324312						250914	376470		
	End	501030						353354	587677		
G8008.0-SR1	Start	740334			403670	722816					
	Min.	324312			132071	307722					
	End	501030			139175	458322					
G8009.0-SR1	Start	740334			692068						
	Min.	324312			291199						
	End	501030			427574						
G8010.0-SR1	Start	740334		491673							
	Min.	324312		182200							
	End	501030		227179							
G8012.0-SR1	Start	740334	603534								
	Min.	324312	243145								
	End	501030	339040								
G10006.0-SR4	Start	1008209							851684	1229279	
	Min.	415623							316509	521654	
	End	595962							396043	773638	
G10007.0-SR4	Start	1008209					767723	1053006	1623574	2194141	
	Min.	415623					269292	426085	731210	1034451	
	End	595962					312082	597365	1167932	1738500	
G10008.0-SR4	Start	1008209				927760	1324374	1720988			
	Min.	415623				358104	572194	782983			
	End	595962				472119	868733	1265346			
G10009.0-SR4	Start	1008209			909669	1432457	1955245				
	Min.	415623			348285	629637	907484				
	End	595962			454028	976816	1499604				
G10010.0-SR4	Start	1008209		668917	1332724	1996530					
	Min.	415623		211667	576632	929426					
	End	595962		213276	877082	1540889					
G10012.0-SR4	Start	1008209	826867	1322054	2312429						
	Min.	415623	302552	570961	1097318						
	End	595962	371226	866413	1856788						
Actuator Model	Spring Torque Start/Min./End (lb-in)	Pressure Torque Output Start/Min./End (lb-in)									
		500	750	1000	1500	2000	2500	3000	4000	5000	
		Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GHI 1.26 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G10014.0-SR4	Start	1008209	717624	1405784	2093944						
	Min.	415623	240664	615461	981199						
	End	595962	261983	950143	1638302						
G10007.0-SR3	Start	1255683							929511	1500078	2070645
	Min.	506612							305472	620848	925461
	End	707696							323842	894409	1464976
G10008.0-SR3	Start	1255683						1200878	1597492		
	Min.	506612						458451	673722		
	End	707696						595209	991823		
G10009.0-SR3	Start	1255683				1308961	1831749				
	Min.	506612				517115	798494				
	End	707696				703292	1226080				
G10010.0-SR3	Start	1255683				1209228	1873034				
	Min.	506612				462983	820436				
	End	707696				603559	1267365				
G10012.0-SR3	Start	1255683			1198559	2188934					
	Min.	506612			457192	988328					
	End	707696			592890	1583264					
G10014.0-SR3	Start	1255683		1282289	1970448						
	Min.	506612		502638	872209						
	End	707696		676619	1364779						
G10007.0-SR2	Start	1376071								1351241	1921808
	Min.	576512								545100	850917
	End	842359								761348	1331915
G10008.0-SR2	Start	1376071						1052041	1448655		
	Min.	576512						381318	597973		
	End	842359						462148	858762		
G10009.0-SR2	Start	1376071				1160124	1682912				
	Min.	576512				441367	723950				
	End	842359				570231	1093019				
G10010.0-SR2	Start	1376071				1060391	1724197				
	Min.	576512				386013	745892				
	End	842359				470498	1134304				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.27 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G10012.0-SR2	Start	1376071			1049721	2040096					
	Min.	576512			380013	913784					
	End	842359			459829	1450204					
G10014.0-SR2	Start	1376071		1133451	1821611						
	Min.	576512		426889	797665						
	End	842359		543558	1231718						
G10007.0-SR1	Start	1705474							1174799	1745366	
	Min.	701107							381231	699120	
	End	1001997							397272	967839	
G10008.0-SR1	Start	1705474						1272213			
	Min.	701107						438238			
	End	1001997						494686			
G10009.0-SR1	Start	1705474					1506470				
	Min.	701107					569454				
	End	1001997					728943				
G10010.0-SR1	Start	1705474				1547755					
	Min.	701107				591862					
	End	1001997				770228					
G10012.0-SR1	Start	1705474			1863654						
	Min.	701107			763324						
	End	1001997			1086127						
G10014.0-SR1	Start	1705474		1645169							
	Min.	701107		644736							
	End	1001997		867642							
G13008.0-SR4	Start	2211312							2334053	3250141	
	Min.	878540							911298	1405493	
	End	1203606							1220272	2136360	
G13009.0-SR4	Start	2211312						2391308	3631845		
	Min.	878540						942374	1608358		
	End	1203606						1277527	2518064		
G13010.0-SR4	Start	2211312				1876008	2677586	3479163			
	Min.	878540				657908	1097758	1527212			
	End	1203606				762228	1563805	2365382			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.28 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Pressure Torque Output Start/Min./End (lb-in)								
G13011.0-SR4	Start	2211312				1675614	2677586	3679557	4681529		
	Min.	878540				541816	1097758	1633716	2166236		
	End	1203606				561833	1563805	2565777	3567748		
G13012.0-SR4	Start	2211312				2334053	3555504	4776955			
	Min.	878540				911298	1567785	2216952			
	End	1203606				1220272	2441723	3663174			
G13014.0-SR4	Start	2211312			2105030	3822696					
	Min.	878540			786701	1709790					
	End	1203606			991250	2708916					
G13016.0-SR4	Start	2211312		2105030	3250141						
	Min.	878540		786701	1405493						
	End	1203606		991250	2136360						
G13018.0-SR4	Start	2211312	1608816	3078374	4547933						
	Min.	878540	495035	1314204	2095233						
	End	1203606	495035	1964594	3434152						
G13008.0-SR3	Start	2726939								2049101	2965189
	Min.	1076104								647029	1162894
	End	1461419								650369	1566457
G13009.0-SR3	Start	2726939							2106357	3346893	
	Min.	1076104							681647	1643183	
	End	1461419							707624	1948161	
G13010.0-SR3	Start	2726939						2392634	3194212		
	Min.	1076104						846847	1287201		
	End	1461419						993902	1795479		
G13011.0-SR3	Start	2726939					2392634	3394606	4396578		
	Min.	1076104					846847	1395969	1932445		
	End	1461419					993902	1995874	2997845		
G13012.0-SR3	Start	2726939				2049101	3270552	4492004			
	Min.	1076104				647029	1328636	1983161			
	End	1461419				650369	1871820	3093271			
G13014.0-SR3	Start	2726939				3537745					
	Min.	1076104				1473661					
	End	1461419				2139012					
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)								
			500	750	1000	1500	2000	2500	3000	4000	5000
			Operating Pressure (PSIG)								



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**Data sheet**

Sheet No.: GHI 1.29 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)	Operating Pressure (PSIG)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Pressure Torque Output Start/Min./End (lb-in)								
G13016.0-SR3	Start	2726939			2965189					
	Min.	1076104			1162894					
	End	1461419			1566457					
G13018.0-SR3	Start	2726939		2793423	4262981					
	Min.	1076104		1069664	1861443					
	End	1461419		1394691	2864249					
G13008.0-SR2	Start	3268420								2624488
	Min.	1295550								884129
	End	1769673								967977
G13009.0-SR2	Start	3268420							3006191	
	Min.	1295550							1099984	
	End	1769673							1349681	
G13010.0-SR2	Start	3268420						2853510		
	Min.	1295550						1014122		
	End	1769673						1196999		
G13011.0-SR2	Start	3268420					3053904	4055876		
	Min.	1295550					1126816	1672596		
	End	1769673					1397394	2399366		
G13012.0-SR2	Start	3268420				2929851	4151302			
	Min.	1295550				1057053	1724390			
	End	1769673				1273340	2494791			
G13014.0-SR2	Start	3268420			3197043					
	Min.	1295550			1206445					
	End	1769673			1540533					
G13016.0-SR2	Start	3268420		2624488	3769598					
	Min.	1295550		884129	1517212					
	End	1769673		967977	2113088					
G13018.0-SR2	Start	3268420	2452721	3922280						
	Min.	1295550	782533	1600083						
	End	1769673	796211	2265769						
G13009.0-SR1	Start	3784047							2721240	
	Min.	1493114							779778	
	End	2027486							779778	
Actuator Model	Spring Torque Start/Min./End (lb-in)	Pressure Torque Output Start/Min./End (lb-in)								
		500	750	1000	1500	2000	2500	3000	4000	5000
		Operating Pressure (PSIG)								



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**Data sheet**

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Date: August 2010

**G-Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators**

**G-Series (cont.)**

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Pressure Torque Output Start/Min./End (lb-in)									
G13010.0-SR1	Start	3784047								2568558		
	Min.	1493114								627096		
	End	2027486								627096		
G13011.0-SR1	Start	3784047							2768953	3770924		
	Min.	1493114							827491	1426964		
	End	2027486							827491	1829462		
G13012.0-SR1	Start	3784047						2644899	3866350			
	Min.	1493114						703437	1478759			
	End	2027486						703437	1924888			
G13014.0-SR1	Start	3784047				2912091						
	Min.	1493114				939297						
	End	2027486				970630						
G13016.0-SR1	Start	3784047			3484647							
	Min.	1493114			1267458							
	End	2027486			1543185							
G13018.0-SR1	Start	3784047		3637328								
	Min.	1493114		1353320								
	End	2027486		1695866								
Actuator Model	Spring Torque Start/Min./End (lb-in)		Pressure Torque Output Start/Min./End (lb-in)									
			500	750	1000	1500	2000	2500	3000	4000	5000	
			Operating Pressure (PSIG)									



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