

Data sheet

Sheet No.: GHPI 1.01 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

Spring-Return Actuators

GH-Series

Actuator Model	Spring Torque lb-in		Operating Pressure (PSIG)										
			60	70	80	90	100	110	120	130	140	150	160
			Air Torque Output, lb-in										
GH2012-SR4	Start	21999	17623	23676	29729	35783	41836	47889	53943	59996	66049	72103	
	Min	10318	7772	11057	14343	17628	20914	24200	27485	30771	34056	37342	
	End	16917	12005	18058	24112	30165	36218	42272	48325	54378	60432	66485	
GH2012-SR3	Start	24574		20943	26996	33049	39103	45156	51210	57263	63316	69370	
	Min	11683		9538	12823	16109	19395	22680	25966	29251	32537	35083	
	End	19390		15213	21266	27319	33373	39426	45479	51533	57586	63639	
GH2012-SR2	Start	27350		18465	24518	30572	36625	42678	48732	54785	60838	66892	
	Min	13019		8004	11290	14576	17861	21147	24432	27718	31004	34289	
	End	21632		12144	18198	24251	30304	36358	42411	48464	54518	60571	
GH2012-SR1	Start	31558			21530	27583	33636	39690	45743	51797	57850	63903	69957
	Min	14823			9137	12423	15709	18994	22280	25565	28851	32136	35422
	End	24335			13547	19600	25654	31707	37760	43814	49867	55920	61974
GH2012-SR0	Start	40066					28257	34310	40364	46417	52470	58524	64577
	Min	18279					11504	14790	18075	21361	24646	27932	31218
	End	29203					16250	22303	28357	34410	40463	46517	52570
Actuator Model	Spring Torque lb-in		Air Torque Output, lb-in										
			60	70	80	90	100	110	120	130	140	150	160
			Operating Pressure (PSIG)										



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Data sheet

Sheet No.: GHPI 1.02 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators
GH-Series (cont.)**

Actuator Model	Spring Torque lb-in		Operating Pressure (PSIG)										
			50	60	70	80	90	100	110	120	150	175	200
			Air Torque Output, lb-in										
GH3014-SR4	Start	37084			30981	39896	48810	57725	66640	75554	102298	124585	
	Min	17365			13762	18600	23439	28278	33116	37955	52471	63202	
	End	28429			21415	30329	39244	48158	57073	65988	92732	115018	
GH3016-SR4	Start	37084	27580	39381	51181	62981	74782	86582	98383	110183			
	Min	17365	11916	18321	24726	31131	37535	43940	50345	55599			
	End	28429	18014	29814	41615	53415	65215	77016	88816	100616			
GH3014-SR3	Start	42237				35530	44444	53359	62274	71188	97932	120219	
	Min	19778				15806	20645	25484	30322	35161	49677	61773	
	End	32379				24634	33549	42464	51378	60293	87037	109323	
GH3016-SR3	Start	42237		35015	46815	58616	70416	82216	94017	105817			
	Min	19778		15527	21932	28337	34742	41146	47551	53956			
	End	32379		24119	35920	47720	59520	71321	83121	94921			
GH3014-SR2	Start	48228					39364	48279	57193	66108	92852	115138	
	Min	22585					17395	22234	27072	31911	46427	58523	
	End	36975					26927	35841	44756	53671	80414	102701	
GH3016-SR2	Start	48228			41735	53535	65336	77136	88936	100737			
	Min	22585			18682	25087	31492	37897	44302	50707			
	End	36975			29297	41098	52898	64698	76499	88299			
GH3014-SR1	Start	55192						42378	51293	60207	86951	109238	
	Min	25846						18458	23296	28135	42651	54747	
	End	42314						28144	37059	45973	72717	95004	
GH3016-SR1	Start	55192			35834	47635	59435	71235	83036	94836			
	Min	25846			14906	21311	27716	34121	40525	46930			
	End	42314			21600	33401	45201	57001	68802	80602			
GH3014-SR0	Start	67032							41939	50854	77598	99884	122171
	Min	31194							17028	21867	36382	48479	60575
	End	50777							23973	32888	59631	81918	104205
GH3016-SR0	Start	67032					50081	61882	73682	85482	120883		
	Min	31194					21447	27852	34257	40662	59877		
	End	50777					32115	43915	55716	67516	102917		
Actuator Model	Spring Torque lb-in		Air Torque Output, lb-in										
			50	60	70	80	90	100	110	120	150	175	200
			Operating Pressure (PSIG)										



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Data sheet

Sheet No.: GHPI 1.03 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators
GH-Series (cont.)**

Actuator Model	Spring Torque lb-in		Operating Pressure (PSIG)										
			50	60	70	80	90	100	110	120	150	175	200
			Air Torque Output, lb-in										
GH4020-SR4	Start	68778	58282	80888	103494	126101	148707	171313	193920	216526			
	Min	31188	24844	37114	49384	61654	73925	86195	98465	110735			
	End	49535	37014	59620	82226	104833	127439	150045	172652	195258			
GH4020-SR3	Start	83047		70695	93301	115908	138514	161120	183726	206333			
	Min	37322		29801	42071	54341	66611	78881	91151	103421			
	End	58758		43849	66455	89061	111668	134274	156880	179486			
GH4020-SR2	Start	98366			81518	104124	126730	149336	171943	194549			
	Min	44149			34032	46302	58572	70842	83112	95382			
	End	69419			49523	72130	94736	117342	139948	162555			
GH4020-SR1	Start	112376				90155	112762	135368	157974	180580	248399		
	Min	51316				38236	50506	62776	75046	87316	124127		
	End	82057				56645	79252	101858	124464	147070	214889		
GH4020-SR0	Start	148944					94616	117222	139829	162435	230254		
	Min	64731					33547	45817	58088	70358	107168		
	End	98475					38834	61441	84047	106653	174472		
GH5024-SR4	Start	153743		147316	189805	232294	274784	317273	359762	402251	529719		
	Min	65451		60068	83130	106192	129254	152316	175378	198440	267626		
	End	97370		85009	127498	169988	212477	254966	297455	339945	467412		
GH5024-SR3	Start	183939			170574	213064	255553	298042	340531	383020	510488		
	Min	77755			68177	91239	114301	137363	160425	183487	252673		
	End	114769			94123	136612	179102	221591	264080	306569	434037		
GH5024-SR2	Start	228224				189685	232174	274664	317153	359642	487110		
	Min	94407				70388	93450	116512	139574	162636	231821		
	End	135921				87667	130156	172645	215134	257623	385091		
GH5024-SR1	Start	254306					205085	247574	290063	332553	460020		
	Min	108062					78191	101253	124315	147377	216563		
	End	160430					101328	143818	186307	228796	356264		
GH5024-SR0	Start	303307							259481	301971	429438		
	Min	127848							100189	123251	192437		
	End	188100							132147	174636	302104		
Actuator Model	Spring Torque lb-in		Air Torque Output, lb-in										
			50	60	70	80	90	100	110	120	150	175	200
			Operating Pressure (PSIG)										



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Data sheet

Sheet No.: GHPI 1.04 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators
GH-Series (cont.)**

Actuator Model	Spring Torque lb-in		Operating Pressure (PSIG)										
			50	60	70	80	90	100	110	120	150	175	200
			Air Torque Output, lb-in										
GH7028-SR4	Start	307383		231683	305191	378699	452206	525714	599222	672730	893253	1077022	
	Min	129182		84130	124028	163926	203824	243722	283620	323518	443212	542957	
	End	189424		101308	174816	248323	321831	395339	468847	542354	762878	946647	
GH7032-SR4	Start	307383	271084	367174	463263	559353	655442	751532	847621	943711			
	Min	129182	105516	157671	209826	261980	314135	366290	418445	470599			
	End	189424	140709	236798	332888	428977	525067	621156	717246	813335			
GH7028-SR3	Start	365586			268245	341753	415261	488768	562276	635784	856307	1040076	
	Min	152863			95233	135131	175029	214927	254825	294723	414417	514162	
	End	222851			110486	183994	257501	331009	404517	478025	698548	882317	
GH7032-SR3	Start	365586		330228	426317	522407	618496	714586	810675	906765			
	Min	152863		128876	181030	233185	285340	337495	389649	441804			
	End	222851		172469	268558	364648	460737	556827	652916	749006			
GH7028-SR2	Start	442949				292585	366093	439601	513109	586616	807140	990909	
	Min	184358				94749	136741	176639	216537	256435	376129	475874	
	End	267336				98487	171994	245502	319010	392517	613041	796810	
GH7032-SR2	Start	442949		281060	377150	473239	569329	665418	761508	857597			
	Min	184358		86961	142743	194897	247052	299207	351362	403516			
	End	267336		86961	183051	279140	375230	471319	567409	663498			
GH7028-SR1	Start	501152					329148	402655	476163	549671	770194	953963	
	Min	208040					105276	147844	187742	227640	347334	447079	
	End	300763					107665	181172	254680	328188	548711	732480	
GH7032-SR1	Start	501152			340204	436294	532383	628473	724562	820652	1108920		
	Min	208040			111882	166102	218257	270412	322567	374721	531186		
	End	300763			118721	214811	310900	406990	503079	599169	887437		
GH7028-SR0	Start	617558							414672	488180	708703	892472	
	Min	251821							126021	172822	292516	392261	
	End	356398							126021	199528	420052	603821	
GH7032-SR0	Start	617558				374803	470892	566982	663071	759161	1047429		
	Min	251821				86151	163439	215593	267748	319903	476367		
	End	356398				86151	182241	278330	374420	470509	758778		
Actuator Model	Spring Torque lb-in		Air Torque Output, lb-in										
			50	60	70	80	90	100	110	120	150	175	200
			Operating Pressure (PSIG)										



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Data sheet

Sheet No.: GHPI 1.05 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Spring-Return Actuators
GH-Series (cont.)**

Actuator Model	Spring Torque lb-in		Operating Pressure (PSIG)										
			50	60	70	80	90	100	110	120	150	175	200
			Air Torque Output, lb-in										
GH8032-SR3	Start	506699			394274	507746	621218	734690	848162	961634	1302050	1585730	
	Min	228807			162921	224511	286100	347690	409279	470869	655637	809611	
	End	361932			234268	347740	461212	574684	688156	801628	1142044	1425724	
GH8036-SR3	Start	506699		465377	609611	753846	898080	1042314	1186549	1330783	1763487		
	Min	228807		201514	279800	358087	436373	514660	592946	671233	906092		
	End	361932		305371	449605	593840	738074	882309	1026543	1170777	1603481		
GH8032-SR2	Start	596700			437544	551016	664488	777960	891432	1231848	1515528	1799208	
	Min	269202			177062	238651	300241	361830	423420	608188	762162	916136	
	End	425448			248266	361738	475210	588682	702154	1042570	1326250	1609930	
GH8036-SR2	Start	596700			539409	683643	827878	972112	1116347	1260581	1693284		
	Min	269202			232351	310638	388924	467211	545497	623784	858643		
	End	425448			350131	494365	638600	782834	927069	1071303	1504006		
GH8032-SR1	Start	740332				467478	580950	694422	807894	1148310	1431990	1715670	
	Min	325437				169298	230888	292477	354067	538835	692809	846783	
	End	501030				202987	316459	429931	543403	883819	1167499	1451179	
GH8036-SR1	Start	740332			600105	744340	888574	1032809	1177043	1609746			
	Min	325437			241285	319571	397858	476144	554431	789290			
	End	501030			335614	479849	624083	768318	912552	1345255			
GH8032-SR0	Start	937107								724840	1065256	1348936	1632616
	Min	393412								266070	450839	604813	758786
	End	576174								325914	666330	950010	1233690
GH8036-SR0	Start	937107				661286	805520	949755	1093989	1526692			
	Min	393412				231575	309862	388148	466435	701294			
	End	576174				262360	406594	550829	695063	1127766			
Actuator Model	Spring Torque lb-in		Air Torque Output, lb-in										
			50	60	70	80	90	100	110	120	150	175	200
			Operating Pressure (PSIG)										



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EMERSON
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Data sheet

Sheet No.: GH10PI 1.01 RevB

Date: August 2010

GH-Series

Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

Spring-Return Actuators

GH10-Series

Actuator Model	Spring Torque lb-in	Operating Pressure (PSIG)											MOP psig	MAWP psig		
		50	60	70	80	90	100	110	120	150	175	200				
		Air Torque Output, lb-in														
GH10x40-SR4	Start	1008197			971495	1204379	1437263	1670148	1903032	2135916	2834569	3416780			183	210
	Min	415620			381847	508250	634653	761056	887460	1013863	1393072	1709081				
	End	595962			515867	748752	981636	1214520	1447405	1680289	2378942	2961152				
GH10x44-SR4	Start	1008197		1037865	1320625	1603385	1886145	2168905	2451665	2734426	3582706			151	175	
	Min	415620		417871	571345	724820	878294	1031768	1185243	1338717	1799141					
	End	595962		582238	864998	1147758	1430518	1713278	1996038	2278798	3127078					
GH10x40-SR3	Start	1255670			1080884	1313768	1546652	1779536	2012421	2711074	3293284			188	210	
	Min	506609			393325	519728	646132	772535	898938	1278148	1594156					
	End	707696			475228	708112	940997	1173881	1406765	2105418	2687629					
GH10x44-SR3	Start	1255670			1197130	1479890	1762650	2045410	2328170	2610930	3459210			155	175	
	Min	506609			456420	609895	763369	916844	1070318	1223793	1684216					
	End	707696			591474	874234	1156994	1439754	1722515	2005275	2853555					
GH10x40-SR2	Start	1376080					1164930	1397815	1630699	1863583	2562236	3144447	3726658	195	210	
	Min	576514					443972	570376	696779	823182	1202392	1518400	1834408			
	End	842359					575028	807912	1040796	1273681	1972334	2554544	3136755			
GH10x44-SR2	Start	1376080			1048292	1331052	1613812	1896572	2179333	2462093	3310373			160	175	
	Min	576514			380664	534139	687613	841088	994562	1148037	1608460					
	End	842359			458390	741150	1023910	1306670	1589430	1872190	2720470					
GH10x40-SR1	Start	1705468							1454257	1687141	2385794	2968005	3550216	202	210	
	Min	701106							541116	667519	1046729	1362737	1678745			
	End	1001997							676736	909620	1608273	2190484	2772695			
GH10x44-SR1	Start	1705468					1437371	1720131	2002891	2285651	3133931			166	175	
	Min	701106					531950	685425	838899	992374	1452797					
	End	1001997					659849	942609	1225369	1508130	2356410					
Actuator Model	Spring Torque lb-in	Air Torque Output, lb-in											MOP psig	MAWP psig		
		50	60	70	80	90	100	110	120	150	175	200				
		Operating Pressure (PSIG)														



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