

# Data sheet

Sheet No.: GPI 1.01 RevB

Date: August 2010

# G-Series

## Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

### Double-Acting Actuators G-Series

Actuator Model	See Bettis' Definitions	Operating Pressure (PSIG)									
		40	50	60	70	80	100	120	150	175	200
		Pressure Torque Output Start/Min./End (lb-in)									
G01008	Start/End			12465	14543	16620	20775	24930	31163	36356	
	Minimum			6579	7675	8772	10965	13158	16447	19188	
G01009	Start/End	10593	13241	15890	18538	21186	26483	31779	39724		
	Minimum	5591	6989	8386	9784	11182	13977	16772	20966		
G01010	Start/End	14046	17557	21069	24580	28092	35115				
	Minimum	7413	9266	11120	12973	14826	18533				
G01012	Start/End	20133	25166	30199	35232	40265					
	Minimum	10626	13282	15938	18595	21251					
G01014	Start/End	24482	30603	36723							
	Minimum	12921	16152	19382							
G2009	Start/End				22441	25647	32058	38470	48087	56102	
	Minimum				11844	13536	16920	20304	25379	29609	
G2010	Start/End		21254	25504	29755	34006	42507	51009			
	Minimum		11217	13461	15704	17948	22434	26921			
G2012	Start/End	24371	30464	36556	42649	48742	60927				
	Minimum	12862	16078	19294	22509	25725	32156				
G2014	Start/End	29636	37046	44455	51864	59273					
	Minimum	15641	19552	23462	27373	31283					
G2016	Start/End	39118	48897	58677							
	Minimum	20646	25807	30968							
G3010	Start/End				35888	41015	51269	61523	76903	89721	102538
	Minimum				18941	21647	27059	32470	40588	47352	54117
G3012	Start/End		36847	44216	51585	58955	73693	88432			
	Minimum		19447	23336	27226	31115	38894	46672			
G3014	Start/End	35887	44859	53831	62803	71775	89719				
	Minimum	18941	23676	28411	33146	37881	47351				
G3016	Start/End	47430	59288	71145	83003	94860					
	Minimum	25033	31291	37549	43807	50065					
G3020	Start/End	75266	94082								
	Minimum	39724	49654								
Actuator Model	See Bettis' Definitions	Pressure Torque Output Start/Min./End (lb-in)									
		40	50	60	70	80	100	120	150	175	200
		Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GPI 1.02 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators  
G-Series (cont.)**

Actuator Model	See Bettis' Definitions	Operating Pressure (PSIG)									
		40	50	60	70	80	100	120	150	175	200
		Pressure Torque Output Start/Min./End (lb-in)									
G4012	Start/End					71032	88790	106548	133185	155382	177580
	Minimum					37489	46861	56234	70292	82007	93723
G4014	Start/End				75775	86599	108249	129899	162374	189436	
	Minimum				39992	45705	57132	68558	85697	99980	
G4016	Start/End		71645	85974	100303	114632	143290	171948			
	Minimum		37813	45375	52938	60500	75625	90750			
G4020	Start/End	91116	113895	136674	159453	182232					
	Minimum	48089	60111	72134	84156	96178					
G4024	Start/End	132607	165759	198911							
	Minimum	69987	87484	104981							
G4028	Start/End	187399									
	Minimum	98905									
G5016	Start/End						183198	219838	274797	320597	366397
	Minimum						96688	116026	145032	169204	193376
G5020	Start/End			175531	204786	234042	292552	351063	438828		
	Minimum			92641	108082	123522	154402	185283	231604		
G5024	Start/End	170715	213394	256072	298751	341430	426787				
	Minimum	90100	112624	135149	157674	180199	225249				
G5028	Start/End	241622	302027	362433	422838	483244					
	Minimum	127523	159403	191284	223165	255045					
G5032	Start/End	316266	395333	474399							
	Minimum	166918	208648	250377							
G5036	Start/End	400863									
	Minimum	211567									
G7020	Start/End						356715	428058	535073	624252	713430
	Minimum						188266	225920	282400	329466	376533
G7024	Start/End				365021	417167	521458	625750	782188	912552	
	Minimum				192650	220171	275214	330257	412821	481625	
G7028	Start/End		369507	443408	517310	591211	739014	886817			
	Minimum		195018	234021	273025	312028	390035	468042			
Actuator Model	See Bettis' Definitions	Pressure Torque Output Start/Min./End (lb-in)									
		40	50	60	70	80	100	120	150	175	200
		Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: GPI 1.03 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators  
G-Series (cont.)**

Actuator Model	See Bettis' Definitions	Operating Pressure (PSIG)									
		40	50	60	70	80	100	120	150	175	200
		Pressure Torque Output Start/Min./End (lb-in)									
G7032	Start/End	387214	484018	580822	677625	774429					
	Minimum	204363	255454	306545	357635	408726					
G7036	Start/End	491038	613797	736557	859316						
	Minimum	259159	323948	388738	453528						
G70228	Start/End	593143	741429	889715							
	Minimum	313048	391310	469572							
G8024	Start/End						613360	736031	920039	1073379	1226719
	Minimum						323718	388461	485576	566506	647435
G8028	Start/End			522722	609842	696962	871203	1045443	1306804		
	Minimum			275881	321861	367841	459802	551762	689702		
G8032	Start/End		571318	685582	799846	914109	1142637	1371164			
	Minimum		301529	361835	422141	482447	603058	723670			
G8036	Start/End	580105	725131	870157	1015183	1160209	1450261				
	Minimum	306166	382708	459249	535791	612333	765416				
G8040	Start/End	717631	897039	1076446	1255854	1435262					
	Minimum	378750	473437	568124	662812	757499					
G80232	Start/End	917530	1146913	1376296							
	Minimum	484252	605315	726378							
G80236	Start/End	1163630	1454538								
	Minimum	614138	767673								
G10028	Start/End						1133063	1359676	1699595	1982860	2266126
	Minimum						598005	717607	897008	1046510	1196011
G10032	Start/End				1042524	1191456	1489320	1787184	2233979	2606309	2978639
	Minimum				550221	628824	786030	943236	1179045	1375552	1572060
G10036	Start/End			1135846	1325154	1514462	1893077	2271693	2839616		
	Minimum			599474	699387	799299	999124	1198949	1498686		
G10040	Start/End		1172168	1406601	1641035	1875468	2344335	2813203			
	Minimum		618644	742373	866102	989831	1237288	1484746			
G100232	Start/End	1197727	1497159	1796591	2096023	2395455	2994318				
	Minimum	632134	790167	948201	1106234	1264268	1580335				
Actuator Model	See Bettis' Definitions	Operating Pressure (PSIG)									
		40	50	60	70	80	100	120	150	175	200
		Pressure Torque Output Start/Min./End (lb-in)									



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**Data sheet**

Sheet No.: GPI 1.04 RevB

Date: August 2010

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators  
G-Series (cont.)**

Actuator Model	See Bettis' Definitions	Operating Pressure (PSIG)									
		40	50	60	70	80	100	120	150	175	200
		Pressure Torque Output Start/Min./End (lb-in)									
G100236	Start/End	1520733	1900917	2281100	2661283	3041467					
	Minimum	802609	1003262	1203914	1404566	1605218					
G100240	Start/End	1881740	2352175	2822610							
	Minimum	993141	1241426	1489711							
G13040	Start/End				2095958	2395380	2994225	3593071	4491338	5239895	5988451
	Minimum				1106200	1264229	1580286	1896343	2370428	2765500	3160571
G13044	Start/End			2181292	2544841	2908390	3635487	4362585	5453231		
	Minimum			1151238	1343111	1534984	1918729	2302475	2878094		
G13048	Start/End		2168911	2602693	3036475	3470257	4337822	5205386			
	Minimum		1144703	1373644	1602584	1831525	2289406	2747287			
G13052	Start/End	2040492	2550614	3060737	3570860	4080983	5101229	6121475			
	Minimum	1076926	1346158	1615389	1884621	2153852	2692315	3230778			
G130240	Start/End	2407595	3009494	3611392	4213291	4815190	6018987				
	Minimum	1270675	1588344	1906013	2223681	2541350	3176688				
G130244	Start/End	2920604	3650755	4380907	5111058	5841209					
	Minimum	1541430	1926788	2312145	2697503	3082860					
G130248	Start/End	3482472	4353090	5223708	6094326						
	Minimum	1837971	2297464	2756957	3216450						
G130252	Start/End	4093198	5116497	6139796							
	Minimum	2160299	2700373	3240448							
Actuator Model	See Bettis' Definitions	Pressure Torque Output Start/Min./End (lb-in)									
		40	50	60	70	80	100	120	150	175	200
		Operating Pressure (PSIG)									



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