

**Data sheet**

Sheet No.: GPM 1.01 RevA

Date: September 2009

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators**

**G-Series**

Actuator Model	Stroke Position	Operating Pressure (Bar)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Pressure Torque Output Start/Min./End (Nm)											
G01108	Start/End			1362	1702	1872	2043	2383	2724	3064	3405	4085	4426
	Minimum			719	898	988	1078	1258	1437	1617	1797	2156	2336
G01109	Start/End	1302	1519	1736	2170	2387	2604	3038	3472	3906	4340		
	Minimum	687	802	916	1145	1260	1374	1603	1832	2061	2291		
G01110	Start/End	1726	2014	2302	2877	3165	3453	4028					
	Minimum	911	1063	1215	1519	1670	1822	2126					
G01112	Start/End	2474	2887	3299	4124	4536							
	Minimum	1306	1524	1741	2177	2394							
G01114	Start/End	3009	3511	4012									
	Minimum	1588	1853	2117									
G2109	Start/End				2627	2889	3152	3677	4203	4728	5254	6304	
	Minimum				1386	1525	1664	1941	2218	2495	2773	3327	
G2110	Start/End		2438	2786	3483	3831	4180	4876	5573	6269			
	Minimum		1287	1471	1838	2022	2206	2574	2941	3309			
G2112	Start/End	2995	3495	3994	4992	5491	5991	6989					
	Minimum	1581	1844	2108	2635	2898	3162	3689					
G2114	Start/End	3643	4250	4857	6071	6678							
	Minimum	1922	2243	2563	3204	3524							
G2116	Start/End	4808	5609	6410									
	Minimum	2537	2960	3383									
G3110	Start/End				4201	4621	5041	5881	6721	7562	8402	10082	10922
	Minimum				2217	2439	2661	3104	3547	3991	4434	5321	5765
G3112	Start/End		4227	4831	6038	6642	7246	8454	9661	10869			
	Minimum		2231	2549	3187	3506	3824	4462	5099	5736			
G3114	Start/End	4411	5146	5881	7351	8086	8822	10292	11762				
	Minimum	2328	2716	3104	3880	4268	4656	5432	6208				
G3116	Start/End	5829	6801	7773	9716	10687	11659						
	Minimum	3077	3589	4102	5128	5641	6153						
G3120	Start/End	9251	10792										
	Minimum	4882	5696										
Actuator Model	Stroke Position	Pressure Torque Output Start/Min./End (Nm)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Operating Pressure (Bar)											



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**Data sheet**

Sheet No.: GPM 1.02 RevA

Date: September 2009

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators**

**G-Series (cont.)**

Actuator Model	Stroke Position	Operating Pressure (Bar)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Pressure Torque Output Start/Min./End (Nm)											
G4112	Start/End					8003	8730	10185	11640	13095	14551	17461	18916
	Minimum					4224	4608	5376	6144	6911	7679	9215	9983
G4114	Start/End				8870	9757	10644	12418	14192	15965	17739	21287	
	Minimum				4681	5149	5617	6554	7490	8426	9362	11235	
G4116	Start/End	7045	8219	9393	11741	12915	14089	16437	18785	21134	23482		
	Minimum	3718	4338	4957	6197	6816	7436	8675	9914	11154	12393		
G4120	Start/End	11199	13065	14932	18665	20531	22398						
	Minimum	5910	6896	7881	9851	10836	11821						
G4124	Start/End	16298	19015	21731									
	Minimum	8602	10036	11469									
G4128	Start/End	23033											
	Minimum	12156											
G5116	Start/End							21015	24017	27020	30022	36026	39028
	Minimum							11091	12676	14260	15845	19014	20598
G5120	Start/End			19177	23971	26368	28765	33560	38354	43148	47942		
	Minimum			10121	12651	13917	15182	17712	20242	22773	25303		
G5124	Start/End	20982	24479	27976	34970	38467	41964	48958	34143				
	Minimum	11074	12919	14765	18456	20302	22148	25839	18020				
G5128	Start/End	29697	34646	39596	49495	54444							
	Minimum	15673	18286	20898	26122	28735							
G5132	Start/End	38871	45350	51828									
	Minimum	20515	23935	27354									
G5136	Start/End	49269											
	Minimum	26003											
G7120	Start/End							40920	46766	52611	58457	70148	75994
	Minimum							21597	24682	27767	30852	37023	40108
G7124	Start/End				42727	47000	51273	59818	68363	76909	85454	102545	
	Minimum				22550	24806	27061	31571	36081	40591	45101	54121	
G7128	Start/End	36332	42387	48443	60553	66609	72664	84774	96885				
	Minimum	19175	22371	25567	31959	35154	38350	44742	51134				
Actuator Model	Stroke Position	Pressure Torque Output Start/Min./End (Nm)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Operating Pressure (Bar)											



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**Data sheet**

Sheet No.: GPM 1.03 RevA

Date: September 2009

**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators**

**G-Series (cont.)**

Actuator Model	Stroke Position	Operating Pressure (Bar)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Pressure Torque Output Start/Min./End (Nm)											
G7132	Start/End	47591	55523	63455	79319	87251	95183						
	Minimum	25118	29304	33490	41863	46049	50235						
G7136	Start/End	60352	70411	80469	100586								
	Minimum	31852	37161	42470	53087								
G71228	Start/End	72901	85052	97202									
	Minimum	38476	44888	51301									
G8124	Start/End							70360	80412	90463	100515	120618	130669
	Minimum							37135	42440	47744	53049	63659	68964
G8128	Start/End			57108	71384	78523	85661	99938	114215	128492	142769		
	Minimum			30140	37675	41443	45210	52745	60280	67815	75350		
G8132	Start/End	56175	65538	74900	93625	102988	112350	131075	149800	168525			
	Minimum	29648	34589	39531	49413	54355	59296	69179	79061	88944			
G8136	Start/End	71299	83182	95065	118831	130714	142598	166364					
	Minimum	37630	43902	50173	62717	68988	75260	87803					
G8140	Start/End	88202	102902	117602	147003	161703							
	Minimum	46551	54309	62068	77585	85343							
G81232	Start/End	112771	131566	150361									
	Minimum	59518	69438	79357									
G81236	Start/End	143018	166854										
	Minimum	75482	88062										
G10128	Start/End							129977	148545	167113	185682	222818	241386
	Minimum							68599	78399	88199	97999	117598	127398
G10132	Start/End				122032	134235	146438	170844	195251	219657	244063	292876	317282
	Minimum				64406	70846	77287	90168	103049	115930	128811	154573	167455
G10136	Start/End			124092	155115	170626	186138	217161	248183	279206	310229		
	Minimum			65493	81866	90053	98239	114613	130986	147359	163732		
G10140	Start/End	115254	134463	153672	192090	211299	230508	268926	307344				
	Minimum	60828	70967	81105	101381	111519	121657	141933	162209				
G101232	Start/End	147209	171744	196278	245348	269883	294418						
	Minimum	77693	90642	103591	129489	142438	155387						
Actuator Model	Stroke Position	Pressure Torque Output Start/Min./End (Nm)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Operating Pressure (Bar)											



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**Data sheet**

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**G-Series**

# Torque Ratings – (Pneumatic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting Actuators**

**G-Series (cont.)**

Actuator Model	Stroke Position	Operating Pressure (Bar)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Pressure Torque Output Start/Min./End (Nm)											
G101236	Start/End	186908	218060	249211	311514								
	Minimum	98646	115087	131528	164410								
G101240	Start/End	231279	269825	308371									
	Minimum	122064	142408	162752									
G13140	Start/End				245340	269874	294408	343477	392545	441613	490681	588817	637885
	Minimum				129485	142434	155382	181279	207176	233073	258970	310765	336662
G13144	Start/End			238307	297884	327672	357461	417038	476614	536191	595768		
	Minimum			125773	157217	172938	188660	220103	251547	282990	314433		
G13148	Start/End		248802	284345	355432	390975	426518	497605	568691	639777			
	Minimum		131312	150071	187589	206348	225107	262625	300142	337660			
G13152	Start/End	250790	292589	334387	417984	459782	501580	585177	668774				
	Minimum	132362	154422	176482	220603	242663	264723	308844	352964				
G131240	Start/End	295910	345228	394546	493183	542501	591819						
	Minimum	156175	182204	208233	260291	286320	312349						
G131244	Start/End	358962	418789	478616	598270	658097							
	Minimum	189452	221028	252603	315754	347329							
G131248	Start/End	428019	499356	570693									
	Minimum	225899	263549	301199									
G131252	Start/End	503082	586929	670776									
	Minimum	265515	309768	354020									
Actuator Model	Stroke Position	Pressure Torque Output Start/Min./End (Nm)											
		3	3.5	4	5	5.5	6	7	8	9	10	12	13
		Operating Pressure (Bar)											



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