

Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G01101.5-SR4	Start	1312										995	1199	1526
	Min.	645										471	580	753
	End	1132										796	1000	1326
G01101.7-SR4	Start	1312							735	1019	1586	1870	2154	2608
	Min.	645							333	484	785	934	1084	1324
	End	1132							536	819	1387	1670	1954	2408
G01102.0-SR4	Start	1312						1060	1638	2051	2876			
	Min.	645						506	812	1030	1465			
	End	1132						860	1438	1851	2676			
G01102.2-SR4	Start	1312					985	1879	2661	3220				
	Min.	645					466	939	1352	1647				
	End	1132					785	1679	2461	3020				
G01102.5-SR4	Start	1312				1060	1638	2793						
	Min.	645				506	812	1422						
	End	1132				860	1438	2594						
G01103.0-SR4	Start	1312		950	1610	2271	3151							
	Min.	645		447	797	1146	1610							
	End	1132		750	1411	12071	2951							
G01103.5-SR4	Start	1312	916	1844	2773									
	Min.	645	429	921	1411									
	End	1132	716	1645	2573									
G01101.7-SR3	Start	1536								840	1408	1692	1975	2429
	Min.	746								369	671	821	972	1211
	End	1293								572	1139	1423	1706	2160
G01102.0-SR3	Start	1536						882	1459	1872	2697			
	Min.	746						391	698	917	1353			
	End	1293						613	1191	1603	2429			
G01102.2-SR3	Start	1536					806	1700	2482	3041				
	Min.	746					351	826	1239	1534				
	End	1293					537	1431	2214	2772				
G01102.5-SR3	Start	1536				882	1459	2615						
	Min.	746				391	391	1309						
	End	1293				613	1191	2346						
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G01103.0-SR3	Start	1536		772	1432	2092	2973							
	Min.	746		332	683	1033	1498							
	End	1293		503	1163	1823	2704							
G01103.5-SR3	Start	1536	737	1666	2594									
	Min.	746	314	808	1298									
	End	1293	468	1397	2325									
G01101.7-SR2	Start	1754								1209	1493	1776	2230	
	Min.	851								553	703	854	1095	
	End	1473								898	1182	1466	1919	
G01102.0-SR2	Start	1754						1261	1673	2499				
	Min.	851						580	799	1237				
	End	1473						950	1362	2188				
G01102.2-SR2	Start	1754					1501	2284	2842					
	Min.	851					708	1123	1418					
	End	1473					1190	1973	2532					
G01102.5-SR2	Start	1754				1261	2416							
	Min.	851				580	1193							
	End	1473				950	2105							
G01103.0-SR2	Start	1754		1233	1893	2774								
	Min.	851		565	916	1382								
	End	1473		922	1582	2463								
G01103.5-SR2	Start	1754	1467	2395										
	Min.	851	690	1182										
	End	1473	1156	2085										
G01101.7-SR1	Start	2087								992	1275	1559	2013	
	Min.	989								391	545	695	937	
	End	1670								530	814	1098	1552	
G01102.0-SR1	Start	2087						1043	1456	2281				
	Min.	989						419	641	1079				
	End	1670						582	995	1820				
G01102.2-SR1	Start	2087						1284	2066	2625				
	Min.	989						549	965	1262				
	End	1670						823	1605	2164				
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G01102.5-SR1	Start	2087					1043	2199						
	Min.	989					419	1035						
	End	1670					582	1737						
G01103.0-SR1	Start	2087				1676	2556							
	Min.	989				757	1225							
	End	1670				1215	2095							
G01103.5-SR1	Start	2087		1250	2178									
	Min.	989		531	1024									
	End	1670		788	1717									
G2101.7-SR6	Start	1463						1142	1485	2172	2515	2859	3408	
	Min.	685						504	687	1052	1234	1415	1705	
	End	1142						787	1131	1818	2161	2505	3054	
G2102.0-SR6	Start	1463						1535	2234	2734	3733	4233	4732	5531
	Min.	685						713	1085	1349	1877	2140	2404	2826
	End	1142						1181	1880	2380	3379	3878	4378	5177
G2102.2-SR6	Start	1463					1444	2526	3473	4149	5502			
	Min.	685					665	1240	1739	2096	2811			
	End	1142					1089	2172	3119	3795	5148			
G2102.5-SR6	Start	1463				1535	2234	3633	4857					
	Min.	685				713	1085	1824	2470					
	End	1142				1181	1880	3279	4503					
G2103.0-SR6	Start	1463		1402	2201	3000	4066							
	Min.	685		643	1067	1490	2053							
	End	1142		1048	1847	2646	3712							
G2103.5-SR6	Start	1463	1360	2484	3608	4732								
	Min.	685	621	1218	1811	2404								
	End	1142	1006	2130	3254	4378								
G2104.0-SR6	Start	1463	2234	3733	5232									
	Min.	685	1085	1877	2668									
	End	1142	1880	3379	4877									
G2101.7-SR5	Start	1855									1748	2092	2435	2985
	Min.	891									824	1007	1189	1479
	End	1525									1384	1728	2071	2621
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G2102.0-SR5	Start	1855						1111	1811	2310	3309	3809	4309	5108
	Min.	891						485	857	1123	1651	1914	2178	2600
	End	1525						747	1447	1946	2945	3445	3944	4744
G2102.2-SR5	Start	1855						2102	3049	3726	5079			
	Min.	891						1012	1513	1870	2584			
	End	1525						1738	2685	3362	4715			
G2102.5-SR5	Start	1855				1111	1811	3210	4433					
	Min.	891				485	857	1598	2244					
	End	1525				747	1447	2845	4069					
G2103.0-SR5	Start	1855			1778	2577	3643							
	Min.	891			839	1264	1826							
	End	1525			1413	2213	3278							
G2103.5-SR5	Start	1855		2061	3185	4309								
	Min.	891		990	1585	2178								
	End	1525		1697	2820	3944								
G2104.0-SR5	Start	1855	1811	3309	4808									
	Min.	891	857	1651	2442									
	End	1525	1447	2945	4444									
G2101.7-SR4	Start	2336								1322	1665	2009	2558	
	Min.	1119								567	749	932	1224	
	End	1912								852	1195	1539	2088	
G2102.0-SR4	Start	2336						1384	1884	2883	3382	3882	4681	
	Min.	1119						600	865	1396	1661	1925	2347	
	End	1912						914	1414	2413	2913	3412	4211	
G2102.2-SR4	Start	2336					1676	2623	3299	4652				
	Min.	1119					755	1258	1617	2331				
	End	1912					1206	2153	2829	4182				
G2102.5-SR4	Start	2336				1384	2783	4007						
	Min.	1119				600	1343	1991						
	End	1912				914	2313	3537						
G2103.0-SR4	Start	2336			1351	2150	3216							
	Min.	1119			582	1007	1573							
	End	1912			881	1680	2746							
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G2103.5-SR4	Start	2336		1634	2758	3882							
	Min.	1119		733	1330	1925							
	End	1912		1164	2288	3412							
G2104.0-SR4	Start	2336	1384	2883	4381								
	Min.	1119	600	1396	2188								
	End	1912	914	2413	3912								
G2101.7-SR3	Start	2728									1356	1700	2249
	Min.	1295									547	732	1024
	End	2191									763	1107	1656
G2102.0-SR3	Start	2728							1575	2574	3073	3573	4372
	Min.	1295							665	1197	1462	1728	2151
	End	2191							982	1981	2480	2980	3779
G2102.2-SR3	Start	2728					1367	2314	2990	4343			
	Min.	1295					552	1058	1418	2136			
	End	2191					774	1721	2397	3750			
G2102.5-SR3	Start	2728				1075	2474	3698					
	Min.	1295				393	1143	1794					
	End	2191				482	1881	3105					
G2103.0-SR3	Start	2728			1841	2907							
	Min.	1295			807	1374							
	End	2191			1248	2314							
G2103.5-SR3	Start	2728		1325	2449	3573							
	Min.	1295		530	1130	1728							
	End	2191		732	1856	2980							
G2104.0-SR3	Start	2728	1075	2574	4073								
	Min.	1295	393	1197	1993								
	End	2191	482	1981	3479								
G2101.7-SR2	Start	3030										1364	1914
	Min.	1456										551	846
	End	2494										772	1321
G2102.0-SR2	Start	3030							1240	2239	2738	3238	4037
	Min.	1456							484	1019	1284	1550	1974
	End	2494							647	1646	2146	2645	3445
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G2102.2-SR2	Start	3030							1979	2655	4008		
	Min.	1456							880	1240	1959		
	End	2494							1386	2062	3415		
G2102.5-SR2	Start	3030						2139	3363				
	Min.	1456						965	1616				
	End	2494						1546	2770				
G2103.0-SR2	Start	3030				1506	2572						
	Min.	1456				628	1196						
	End	2494				914	1979						
G2103.5-SR2	Start	3030			2114	3238							
	Min.	1456			952	1550							
	End	2494			1521	2645							
G2104.0-SR2	Start	3030		2239	3737								
	Min.	1456		1019	1815								
	End	2494		1646	3145								
G2102.0-SR1	Start	3502								1873	2372	2872	3671
	Min.	1666								778	1045	1310	1735
	End	2825								1124	1624	2123	2923
G2102.2-SR1	Start	3502						1613	2289	3642			
	Min.	1666						636	1000	1719			
	End	2825						864	1541	2894			
G2102.5-SR1	Start	3502						1773	2997				
	Min.	1666						723	1376				
	End	2825						1024	2248				
G2103.0-SR1	Start	3502					2206						
	Min.	1666					956						
	End	2825					1457						
G2103.5-SR1	Start	3502				2872							
	Min.	1666				1310							
	End	2825				2123							
G2104.0-SR1	Start	3502		1873	3371								
	Min.	1666		778	1576								
	End	2825		1124	2623								
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G3102.0-SR4	Start	4132											2362	3152
	Min.	1935											963	1387
	End	3228											1362	2153
G3102.2-SR4	Start	4132								2108	3527	4237	4946	6082
	Min.	1935								825	1586	1963	2340	2943
	End	3228								1109	2528	3238	3947	5082
G3102.5-SR4	Start	4132								3084	4034	5935	6885	7835
	Min.	1935								1350	1855	2865	3370	3871
	End	3228								2085	3035	4935	5886	6836
G3103.0-SR4	Start	4132					2463	4875	6986					
	Min.	1935					1018	2302	3423					
	End	3228					1464	3876	5987					
G3103.5-SR4	Start	4132				3365	5098							
	Min.	1935				1500	2421							
	End	3228				2366	4099							
G3104.0-SR4	Start	4132		2286	4042	5798	8139							
	Min.	1935		922	1859	2793	4032							
	End	3228		1286	3042	4798	7140							
G3104.5-SR4	Start	4132	1736	4009	6282									
	Min.	1935	620	1842	3050									
	End	3228	737	3009	5282									
G3102.2-SR3	Start	4760									3051	3761	4470	5605
	Min.	2212									1267	1647	2024	2627
	End	3659									1834	2543	3253	4388
G3102.5-SR3	Start	4760							2608	3558	5459	6409	7359	
	Min.	2212							1027	1539	2549	3054	3559	
	End	3659							1390	2340	4241	5191	6141	
G3103.0-SR3	Start	4760						4399	6510					
	Min.	2212						1986	3108					
	End	3659						3182	5292					
G3103.5-SR3	Start	4760				2889	4622							
	Min.	2212				1179	2105							
	End	3659				1671	3405							
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Operating Pressure (Bar)												



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G3104.0-SR3	Start	4760			3566	5322	7663						
	Min.	2212			1543	2476	3721						
	End	3659			2348	4104	6445						
G3104.5-SR3	Start	4760		3533	5806								
	Min.	2212		1526	2734								
	End	3659		2315	4588								
G3102.2-SR2	Start	5539									3187	3896	5031
	Min.	2550									1250	1635	2239
	End	4178									1683	2392	3528
G3102.5-SR2	Start	5539							2984	4884	5835	6785	
	Min.	2550							1140	2161	2666	3171	
	End	4178							1480	3381	4331	5281	
G3103.0-SR2	Start	5539					3825	5936					
	Min.	2550					1596	2720					
	End	4178					2321	4432					
G3103.5-SR2	Start	5539				4048							
	Min.	2550				1717							
	End	4178				2544							
G3104.0-SR2	Start	5539		2992	4748	7089							
	Min.	2550		1144	2089	3333							
	End	4178		1488	3244	5585							
G3104.5-SR2	Start	5539		2959	5232								
	Min.	2550		1126	2346								
	End	4178		1455	3728								
G3102.2-SR1	Start	6107									2531	3241	4376
	Min.	2860									897	1288	1899
	End	4771									1055	1764	2900
G3102.5-SR1	Start	6107							2328	4229	5179	6129	
	Min.	2860							782	1821	2326	2831	
	End	4771							852	2753	3703	4653	
G3103.0-SR1	Start	6107					3170	5281					
	Min.	2860					1249	2380					
	End	4771					1694	3804					
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G3103.5-SR1	Start	6107					3393							
	Min.	2860					1370							
	End	4771					1917							
G3104.0-SR1	Start	6107				4092	6433							
	Min.	2860				1748	2993							
	End	4771				2616	4957							
G3104.5-SR1	Start	6107		2303	4576									
	Min.	2860		767	2005									
	End	4771		827	3100									
G4102.5-SR4	Start	7772									4644	5629	7204	
	Min.	3502									1754	2288	3134	
	End	5597									2241	3226	4801	
G4103.0-SR4	Start	7772							5444	7106	10429	12091	13752	16410
	Min.	3502							2188	3082	4848	5731	6614	8027
	End	5597							3041	4703	8026	9687	11349	14007
G4103.5-SR4	Start	7772					3660	7598	11044	13506				
	Min.	3502					1195	3344	5175	6483				
	End	5597					1256	5195	8641	11102				
G4104.0-SR4	Start	7772				4644	7352	12767	17506					
	Min.	3502				1754	3213	6091	8605					
	End	5597				2241	4949	10364	15102					
G4104.5-SR4	Start	7772			5334	7992	11537							
	Min.	3502			2128	3553	5437							
	End	5597			2930	5589	9133							
G4105.0-SR4	Start	7772		5014	8374	11734	16214							
	Min.	3502		1954	3756	5542	7923							
	End	5597		2610	5970	9330	13810							
G4106.0-SR4	Start	7772	5444	10429	15414									
	Min.	3502	2188	4848	7497									
	End	5597	3041	8026	13010									
G4103.0-SR3	Start	9384								5954	9277	10939	12600	15259
	Min.	4194								2263	4054	4937	5820	7233
	End	6639								2921	6244	7905	9567	12225
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Operating Pressure (Bar)												



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Process Management

Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G4103.5-SR3	Start	9384						6446	9893	12354			
	Min.	4194						2531	4381	5689			
	End	6639						3413	6859	9321			
G4104.0-SR3	Start	9384				6200	11616	16354					
	Min.	4194				2397	5297	7815					
	End	6639				3167	8582	13321					
G4104.5-SR3	Start	9384			6743	10263							
	Min.	4194			2744	4643							
	End	6639			3807	7352							
G4105.0-SR3	Start	9384	3862	7222	10582	15062							
	Min.	4194	829	2951	4747	7128							
	End	6639	829	4189	7549	12029							
G4106.0-SR3	Start	9384	4293	9277	14262								
	Min.	4194	1259	4054	6703								
	End	6639	1259	6244	11229								
G4103.0-SR2	Start	11116							4623	7946	9607	11269	13927
	Min.	4962							1006	3158	4060	4944	6357
	End	7844							1006	4329	5990	7652	10310
G4103.5-SR2	Start	11116					5115	8561	11023				
	Min.	4962					1498	3492	4813				
	End	7844					1498	4944	7406				
G4104.0-SR2	Start	11116				4869	10284	15023					
	Min.	4962				1252	4421	6939					
	End	7844				1252	6667	11406					
G4104.5-SR2	Start	11116			5509	9053							
	Min.	4962			1799	3759							
	End	7844			1892	5436							
G4105.0-SR2	Start	11116		5890	9250	13730							
	Min.	4962		2023	3866	6252							
	End	7844		2273	5633	10113							
G4106.0-SR2	Start	11116	7946	12930									
	Min.	4962	3158	5827									
	End	7844	4329	9313									
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G4103.0-SR1	Start	12698									6367	8029	9690	12349
	Min.	5759									2231	3149	4051	5469
	End	9272									2581	4242	5904	8562
G4103.5-SR1	Start	12698							6983	9444				
	Min.	5759							2577	3917				
	End	9272							3196	5658				
G4104.0-SR1	Start	12698						8706	13444					
	Min.	5759						3516	6051					
	End	9272						4919	9658					
G4104.5-SR1	Start	12698					7475							
	Min.	5759					2848							
	End	9272					3688							
G4105.0-SR1	Start	12698				7672	12152							
	Min.	5759				2955	5364							
	End	9272				3885	8365							
G4106.0-SR1	Start	12698			11352									
	Min.	5759			4939									
	End	9272			7565									
G5103.5-SR4	Start	17372									14120	16748	19376	23581
	Min.	7392									5416	6843	8263	10498
	End	11002									7080	9708	12336	16541
G5104.0-SR4	Start	17372							14598	18421	26066	29888	33711	39827
	Min.	7392							5676	7751	11819	13850	15882	19132
	End	11002							7558	11380	19025	22848	26671	32787
G5104.5-SR4	Start	17372						16828	24075	29251	39604			
	Min.	7392						6886	10761	13512	19014			
	End	11002						9787	17034	22211	32564			
G5105.0-SR4	Start	17372					14598	25301	34667	41356				
	Min.	7392					5676	11412	16390	19945				
	End	11002					7558	18261	27626	34316				
G5106.0-SR4	Start	17372			14343	20459	28614							
	Min.	7392			5537	8839	13173							
	End	11002			7319	13449	21623							
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Operating Pressure (Bar)												



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G5107.0-SR4	Start	17372		16509	25110	33711							
	Min.	7392		6713	11311	15882							
	End	11002		9469	18070	26671							
G5108.0-SR4	Start	17372	14598	26066	37534								
	Min.	7392	5676	11819	17914								
	End	11002	7558	19025	30493								
G5103.5-SR3	Start	20785									14575	17203	21408
	Min.	8786									5117	6580	8862
	End	12968									5936	8564	12769
G5104.0-SR3	Start	20785						12425	16248	23893	27715	31538	37654
	Min.	8786						3786	6057	10202	12233	14265	17516
	End	12968						3786	7609	15254	19076	22899	29015
G5104.5-SR3	Start	20785					14655	21902	27078	37431			
	Min.	8786					5161	9130	11895	17397			
	End	12968					6016	13263	18439	28792			
G5105.0-SR3	Start	20785				12425	23128	32494	39183				
	Min.	8786				3786	9796	14773	18328				
	End	12968				3786	14489	23855	30544				
G5106.0-SR3	Start	20785			18286	26441							
	Min.	8786			7167	11556							
	End	12968			9647	17802							
G5107.0-SR3	Start	20785		14336	22937	31538							
	Min.	8786		4982	9692	14265							
	End	12968		5697	14298	22899							
G5108.0-SR3	Start	20785	12425	23893	35361								
	Min.	8786	3786	10202	16297								
	End	12968	3786	15254	26722								
G5104.0-SR2	Start	25788								21251	25074	28896	35013
	Min.	10667								7841	9929	12004	15277
	End	15358								9724	13547	17369	23485
G5104.5-SR2	Start	25788						19260	24437	34790			
	Min.	10667						6721	9584	15159			
	End	15358						7733	12909	23262			
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G5105.0-SR2	Start	25788						20487	29852	36542			
	Min.	10667						7411	12523	16090			
	End	15358						8959	18325	25014			
G5106.0-SR2	Start	25788					23800						
	Min.	10667					9238						
	End	15358					12272						
G5107.0-SR2	Start	25788		20296	28896								
	Min.	10667		7304	12004								
	End	15358		8768	17369								
G5108.0-SR2	Start	25788		21251	32719								
	Min.	10667		7841	14058								
	End	15358		9724	21192								
G5104.0-SR1	Start	28735								18190	22013	25835	31952
	Min.	12206								6030	8200	10280	13594
	End	18128								6467	10289	14112	20228
G5104.5-SR1	Start	28735								21376	31729		
	Min.	12206								7841	13475		
	End	18128								9652	20005		
G5105.0-SR1	Start	28735						17426	26791	33481			
	Min.	12206						5578	10799	14406			
	End	18128						5702	15068	21757			
G5106.0-SR1	Start	28735					20739						
	Min.	12206					7483						
	End	18128					9015						
G5107.0-SR1	Start	28735			25835								
	Min.	12206			10280								
	End	18128			14112								
G5108.0-SR1	Start	28735		18190	29658								
	Min.	12206		6030	12355								
	End	18128		6467	17935								
G7104.0-SR4	Start	33079									23379	27655	34497
	Min.	14207									8547	10891	14604
	End	21404									10475	14751	21592
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G7104.5-SR4	Start	33079								23843	35719	41656	47594	57094
	Min.	14207								8808	15254	18410	21565	26615
	End	21404								10939	22814	28752	34689	44189
G7105.0-SR4	Start	33079						19993	30905	38700	54289	62083	69878	
	Min.	14207						6620	12655	16839	25124	29266	33409	
	End	21404						7088	18000	25795	41384	49179	56973	
G7106.0-SR4	Start	33079				24723	44075	61008	73103					
	Min.	14207				9299	19695	28695	35123					
	End	21404				11819	31171	48104	60199					
G7107.0-SR4	Start	33079			31311	45053	72536							
	Min.	14207			12875	20215	34822							
	End	21404			18406	32148	59632							
G7108.0-SR4	Start	33079	22426	36251	50076	68509								
	Min.	14207	8011	15537	22885	32682								
	End	21404	9522	23347	37172	55605								
G7109.0-SR4	Start	33079	35719	53531	71344									
	Min.	14207	15254	24721	34188									
	End	21404	22814	40627	58439									
G7110.0-SR4	Start	33079	28305	50575	72844									
	Min.	14207	11244	23150	34985									
	End	21404	15401	37670	59940									
G7104.0-SR3	Start	39345											23481	30322
	Min.	16818											7573	11460
	End	25181											7826	14667
G7104.5-SR3	Start	39345								31544	37481	43419	52919	
	Min.	16818								12124	15346	18552	23601	
	End	25181								15889	21827	27764	37264	
G7105.0-SR3	Start	39345						26730	34525	50114	57909	65703		
	Min.	16818						9451	13742	22110	26253	30395		
	End	25181						11075	18870	34459	42254	50048		
G7106.0-SR3	Start	39345					39900	56833	68928					
	Min.	16818					16659	25681	32110					
	End	25181					24246	41179	53274					
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Operating Pressure (Bar)												



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G7107.0-SR3	Start	39345				27136	40878	68362						
	Min.	16818				9679	17190	31808						
	End	25181				11481	25223	52707						
G7108.0-SR3	Start	39345			32077	45902	64335							
	Min.	16818			12413	19871	29668							
	End	25181			16422	30247	48680							
G7109.0-SR3	Start	39345		31544	49357	67169								
	Min.	16818		12124	21708	31175								
	End	25181		15889	33702	51514								
G7110.0-SR3	Start	39345	24131	46400	68669									
	Min.	16818	7958	20136	31972									
	End	25181	8476	30745	53015									
G7104.5-SR2	Start	50028										32557	38495	47995
	Min.	20644										10019	13613	18855
	End	29636										10019	15957	25457
G7105.0-SR2	Start	50028									45190	52984	60779	
	Min.	20644									17333	21563	25789	
	End	29636									22652	30446	38241	
G7106.0-SR2	Start	50028						34976	51909	64004				
	Min.	20644						11596	20980	27503				
	End	29636						12438	29371	41466				
G7107.0-SR2	Start	50028					35954	63437						
	Min.	20644					12174	27202						
	End	29636					13415	40899						
G7108.0-SR2	Start	50028				40977	59411							
	Min.	20644				15009	25051							
	End	29636				18439	36872							
G7109.0-SR2	Start	50028			44432	62245								
	Min.	20644			16922	26568								
	End	29636			21894	39707								
G7110.0-SR2	Start	50028		41476	63745									
	Min.	20644		15289	27366									
	End	29636		18938	41207									
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Process Management

Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G7104.5-SR1	Start	59263												42046
	Min.	24427												14059
	End	35019												15249
G7105.0-SR1	Start	59263								39241	47035	54830		
	Min.	24427								12386	16897	21206		
	End	35019								12444	20239	28033		
G7106.0-SR1	Start	59263						45960	58055					
	Min.	24427						16293	22956					
	End	35019						19164	31259					
G7107.0-SR1	Start	59263						57488						
	Min.	24427						22649						
	End	35019						30692						
G7108.0-SR1	Start	59263					53461							
	Min.	24427					20463							
	End	35019					26665							
G7109.0-SR1	Start	59263			38483	56296								
	Min.	24427			11687	22001								
	End	35019			11687	29499								
G7110.0-SR1	Start	59263		35527	57796									
	Min.	24427		8730	22816									
	End	35019		8730	31000									
G8105.0-SR3	Start	57255								35595	43675	51754	64682	
	Min.	25702								13548	17933	22281	29151	
	End	40896								17514	25594	33674	46601	
G8106.0-SR3	Start	57255						47034	60210	86563	99740	112916		
	Min.	25702						19757	26775	40781	47784	54787		
	End	40896						28953	42130	68483	81659	94835		
G8107.0-SR3	Start	57255					31599	62319	89199	108399				
	Min.	25702					11324	27896	42182	52386				
	End	40896					13518	44238	71118	90318				
G8108.0-SR3	Start	57255				38479	59400	101240						
	Min.	25702				15114	26344	48581						
	End	40896				20399	41319	83159						
Actuator Model	Spring Torque Start/Min./End (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G8109.0-SR3	Start	57255			43269	63686	90907							
	Min.	25702			17713	28622	43090							
	End	40896			25189	45605	72826							
G8110.0-SR3	Start	57255		40460	66159	91857								
	Min.	25702		16189	29936	43594								
	End	40896		22379	48078	73776								
G8112.0-SR3	Start	57255	43304	81235	119166									
	Min.	25702	17732	37949	58108									
	End	40896	25223	63154	101085									
G8105.0-SR2	Start	67425									35742	43822	56749	
	Min.	30242									12475	16957	23974	
	End	48073									14354	22434	35361	
G8106.0-SR2	Start	67425						39102	52278	78631	91807	104984		
	Min.	30242						14364	21547	35609	42612	49615		
	End	48073						17713	30890	57243	70419	83595		
G8107.0-SR2	Start	67425						54386	81266	100466				
	Min.	30242						22691	37010	47214				
	End	48073						32998	59878	79078				
G8108.0-SR2	Start	67425					51467	93307						
	Min.	30242					21107	43409						
	End	48073					30079	71919						
G8109.0-SR2	Start	67425				55753	82975							
	Min.	30242				23433	37918							
	End	48073				34365	61586							
G8110.0-SR2	Start	67425		32528	58226	83925								
	Min.	30242		10612	24765	38423								
	End	48073		11139	36838	62536								
G8112.0-SR2	Start	67425	35372	73302	111233									
	Min.	30242	12266	32777	52936									
	End	48073	13983	51914	89845									
G8106.0-SR1	Start	83654									69192	82368	95545	
	Min.	36645									28014	35140	42143	
	End	56614									39305	52482	65658	
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)	Operating Pressure (Bar)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Pressure Torque Output Start/Min./End (Nm)											
G8107.0-SR1	Start	83654							71827	91027			
	Min.	36645							29445	39742			
	End	56614							41941	61141			
G8108.0-SR1	Start	83654						83868					
	Min.	36645						35937					
	End	56614						53982					
G8109.0-SR1	Start	83654					73535						
	Min.	36645					30372						
	End	56614					43649						
G8110.0-SR1	Start	83654				74485							
	Min.	36645				30888							
	End	56614				44599							
G8112.0-SR1	Start	83654		63863	101794								
	Min.	36645		25122	45464								
	End	56614		33977	71908								
G10106.0-SR4	Start	113922								80268	95737	111207	135959
	Min.	46963								26709	35484	43924	57359
	End	67340								28783	44253	59722	84474
G10107.0-SR4	Start	113922						89200	112575	159326	182702	206077	243478
	Min.	46963						31807	44667	69799	82223	94646	114524
	End	67340						37715	61090	107842	131217	154593	191993
G10108.0-SR4	Start	113922						107558	153055	185553	250548		
	Min.	46963						41944	66466	83738	118281		
	End	67340						56073	101570	134068	199063		
G10109.0-SR4	Start	113922					96916	165453	225424				
	Min.	46963					36146	73056	104928				
	End	67340					45431	113969	173939				
G10110.0-SR4	Start	113922				99622	143135	230160					
	Min.	46963				37636	61194	107445					
	End	67340				48137	91650	178675					
G10112.0-SR4	Start	113922		87870	136559	185249	250168						
	Min.	46963		31059	57685	83576	118079						
	End	67340		36385	85074	133764	198683						
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)											
		35	50	65	80	100	140	175	200	250	275	300	340
		Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G10114.0-SR4	Start	113922	83453	151116	218780									
	Min.	46963	28575	65436	101397									
	End	67340	31968	99632	167295									
G10107.0-SR3	Start	141885								98621	145372	168748	192123	229524
	Min.	57244								30184	57056	69744	82331	102208
	End	79966								30184	76935	100310	123686	161087
G10108.0-SR3	Start	141885						93604	139101	171598	236594			
	Min.	57244						25167	53652	71291	105966			
	End	79966						25167	70663	103161	168156			
G10109.0-SR3	Start	141885						151499	211470					
	Min.	57244						60382	92613					
	End	79966						83062	143033					
G10110.0-SR3	Start	141885					129180	216206						
	Min.	57244					48247	95130						
	End	79966					60743	147768						
G10112.0-SR3	Start	141885			122605	171294	236214							
	Min.	57244			44549	71126	105764							
	End	79966			54168	102857	167776							
G10114.0-SR3	Start	141885		137162	204826									
	Min.	57244		52600	89082									
	End	79966		68725	136389									
G10107.0-SR2	Start	155488									128554	151930	175305	212706
	Min.	65143									48497	61185	73872	93785
	End	95182									61900	85275	108651	146052
G10108.0-SR2	Start	155488							122283	154781	219776			
	Min.	65143							45003	62732	97543			
	End	95182							55628	88126	153121			
G10109.0-SR2	Start	155488						134681	194652					
	Min.	65143						51823	84190					
	End	95182						68027	127997					
G10110.0-SR2	Start	155488						112363	199388					
	Min.	65143						39425	86707					
	End	95182						45708	132733					
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Sheet No.: GHM 1.30 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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G10112.0-SR2	Start	155488			105787	154476	219396							
	Min.	65143			35684	62567	97341							
	End	95182			39132	87822	152741							
G10114.0-SR2	Start	155488		120344	188008									
	Min.	65143		43913	80659									
	End	95182		53690	121353									
G10107.0-SR1	Start	192709									131993	155368	192769	
	Min.	79221									42632	56051	76583	
	End	113220									44137	67512	104913	
G10108.0-SR1	Start	192709								134844	199839			
	Min.	79221								44318	80420			
	End	113220								46987	111983			
G10109.0-SR1	Start	192709							174715					
	Min.	79221							66783					
	End	113220							86859					
G10110.0-SR1	Start	192709							179451					
	Min.	79221							69354					
	End	113220							91595					
G10112.0-SR1	Start	192709			134540	199459								
	Min.	79221			44138	80214								
	End	113220			46683	111603								
G10114.0-SR1	Start	192709			168071									
	Min.	79221			63177									
	End	113220			80215									
G13108.0-SR4	Start	249866									262526	300057	360107	
	Min.	99270									102316	122686	155018	
	End	136001									136675	174206	234256	
G13109.0-SR4	Start	249866						205448	256271	357918	408741	459565		
	Min.	99270						70667	98920	153854	180866	207877		
	End	136001						79597	130420	232067	282890	333714		
G13110.0-SR4	Start	249866						217489	309440	375120	506479			
	Min.	99270						77439	127779	162997	232810			
	End	136001						91638	183589	249269	380628			
Actuator Model	Spring Torque Start/Min./End (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											



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Data sheet

Sheet No.: GHM 1.31 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 (Nm)	Operating Pressure (Bar)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Pressure Torque Output Start/Min./End (Nm)												
G13111.0-SR4	Start	249866						309440	424379	506479				
	Min.	99270						127779	189177	232810				
	End	136001						183589	298528	380628				
G13112.0-SR4	Start	249866					250016	410149						
	Min.	99270					95525	181614						
	End	136001					124165	284298						
G13114.0-SR4	Start	249866			215612	300057	412651							
	Min.	99270			76383	122686	182943							
	End	136001			89761	174206	286800							
G13116.0-SR4	Start	249866		224995	337589	450182								
	Min.	99270		81660	143050	202890								
	End	136001		99144	211738	324331								
G13118.0-SR4	Start	249866		331333	475828									
	Min.	99270		139662	216520									
	End	136001		205482	349977									
G13108.0-SR3	Start	308129											267859	327909
	Min.	121594											94286	127525
	End	165132											109811	169860
G13109.0-SR3	Start	308129								325720	376543	427367		
	Min.	121594								126337	153922	181460		
	End	165132								167671	218495	269318		
G13110.0-SR3	Start	308129						277242	342922	474281				
	Min.	121594						99563	135673	206393				
	End	165132						119193	184873	316232				
G13111.0-SR3	Start	308129						277242	392181	474281				
	Min.	121594						99563	162410	206393				
	End	165132						119193	234133	316232				
G13112.0-SR3	Start	308129						377951						
	Min.	121594						154686						
	End	165132						219902						
G13114.0-SR3	Start	308129				267859	380453							
	Min.	121594				94286	156044							
	End	165132				109811	222404							
Actuator Model	Spring Torque Start/Min./End (Nm)	Pressure Torque Output Start/Min./End (Nm)												
		35	50	65	80	100	140	175	200	250	275	300	340	
		Operating Pressure (Bar)												



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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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G13116.0-SR3	Start	308129			305391	417984								
	Min.	121594			115302	176415								
	End	165132			147342	259935								
G13118.0-SR3	Start	308129		299135	443630									
	Min.	121594		111874	190103									
	End	165132		141087	285582									
G13108.0-SR2	Start	369313												289412
	Min.	146390												95678
	End	199963												102236
G13109.0-SR2	Start	369313									287223	338046	388870	
	Min.	146390									94383	123372	151314	
	End	199963									100046	150870	201693	
G13110.0-SR2	Start	369313						238745	304424	435783				
	Min.	146390						51569	104464	176777				
	End	199963						51569	117248	248607				
G13111.0-SR	Start	369313						353684	435783					
	Min.	146390						132166	176777					
	End	199963						166508	248607					
G13112.0-SR2	Start	369313						339454						
	Min.	146390						124163						
	End	199963						152277						
G13114.0-SR2	Start	369313					341956							
	Min.	146390					125570							
	End	199963					154779							
G13116.0-SR2	Start	369313				379487								
	Min.	146390				146221								
	End	199963				192310								
G13118.0-SR2	Start	369313		260638	405133									
	Min.	146390		73462	160141									
	End	199963		73462	217957									
G13109.0-SR1	Start	427576										305848	356672	
	Min.	168713										86474	122367	
	End	229094										86474	137297	
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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Data sheet

Sheet No.: GHM 1.33 RevB

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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 (Nm)		Operating Pressure (Bar)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Pressure Torque Output Start/Min./End (Nm)											
G13110.0-SR1	Start	427576								272227	403586			
	Min.	168713								52852	148749			
	End	229094								52852	184211			
G13111.0-SR1	Start	427576							321486	403586				
	Min.	168713							101548	148749				
	End	229094							102112	184211				
G13112.0-SR1	Start	427576						307256						
	Min.	168713						87881						
	End	229094						87881						
G13114.0-SR1	Start	427576					309758							
	Min.	168713					90383							
	End	229094					90383							
G13116.0-SR1	Start	427576				347289								
	Min.	168713				116923								
	End	229094				127915								
G13118.0-SR1	Start	427576			372935									
	Min.	168713			131513									
	End	229094			153561									
Actuator Model	Spring Torque Start/Min./End (Nm)		Pressure Torque Output Start/Min./End (Nm)											
			35	50	65	80	100	140	175	200	250	275	300	340
			Operating Pressure (Bar)											



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