Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC01x02.0-SR0	Start	19,972														16,080	18,800	21,521					3,476	3,961
	Min	10,664														5,164	6,380	7,584						
	End	20,516														5,400	7,279	9,159						
GC01x02.2-SR0	Start	19,895										15,472	19,244	23,007									2,567	2,916
	Min	10,632										4,788	6,464	8,115										
	End	20,405										4,980	7,586	10,185										
GC01x02.5-SR0	Start	19,814								17,097	22,055												1,986	2,362
	Min	10,599								5,460	7,630													
	End	20,288								6,103	9,528													
GC01x03.0-SR0	Start	19,651					15,421	23,148															1,304	1,640
	Min	10,533					4,682	8,049																
	End	20,054					4,945	10,283																
GC01x03.5-SR0	Start	19,489				20,275	31,236																927	1,205
	Min	10,467				6,804	11,502																	
	End	19,820				8,298	15,870																	
GC01x01.7-SR1	Start	15,004															9,341	11,206	13,073	14,946	16,826	18,715	3,832	4,820
	Min	8,371															3,190	4,019	4,843	5,664	6,485	7,307		
	End	17,015															3,274	4,562	5,852	7,146	8,445	9,750		
GC01x02.0-SR1	Start	14,911										8,803	11,544	14,276	17,000	19,721	22,441	25,163					2,635	3,961
	Min	8,333										2,899	4,115	5,315	6,507	7,696	8,881	10,067						
	End	16,882										2,903	4,796	6,683	8,565	10,445	12,324	14,204						
GC01x02.2-SR1	Start	14,834								11,526	15,328	19,114	22,886	26,649									1,945	2,916
	Min	8,302								4,040	5,693	7,333	8,964	10,591										
	End	16,770								4,783	7,410	10,025	12,631	15,230										
GC01x02.5-SR1	Start	14,753						10,758	15,760	20,739	25,697												1,506	2,362
	Min	8,269						3,678	5,841	7,983	10,113													
	End	16,653						4,253	7,709	11,148	14,573													
GC01x03.0-SR1	Start	14,591				11,301	19,063	26,790															988	1,640
	Min	8,203				3,904	7,230	10,526																
	End	16,420				4,628	9,990	15,328																
GC01x03.5-SR1	Start	14,428			12,912	23,917	34,877																703	1,205
	Min	8,137			4,612	9,298	13,952																	
	End	16,186			5,741	13,343	20,915																	

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC01x01.7-SR2	Start	12,475													7,759	9,624	11,487	13,352	15,220	17,093	18,973	20,861	3,221	4,820
	Min	7,136													2,869	3,689	4,506	5,321	6,135	6,951	7,768	8,587		
	End	14,873													3,219	4,507	5,794	7,082	8,373	9,667	10,965	12,270		
GC01x02.0-SR2	Start	12,383									8,197	10,950	13,691	16,422	19,147	21,868	24,588	27,309					2,215	3,961
	Min	7,099									3,020	4,222	5,416	6,605	7,790	8,974	10,157	11,340						
	End	14,739									3,521	5,423	7,316	9,203	11,086	12,965	14,844	16,724						
GC01x02.2-SR2	Start	12,306							9,851	13,673	17,474	21,260	25,033	28,795									1,635	2,916
	Min	7,068							3,693	5,342	6,980	8,612	10,240	11,863										
	End	14,628							4,664	7,304	9,930	12,545	15,152	17,751										
GC01x02.5-SR2	Start	12,224					7,874	12,904	17,907	22,886	27,843												1,266	2,362
	Min	7,035					2,822	4,984	7,127	9,260	11,385													
	End	14,511					3,298	6,773	10,229	13,668	17,093													
GC01x03.0-SR2	Start	12,062				13,447	21,210	28,937															831	1,640
	Min	6,969				5,208	8,510	11,797																
	End	14,277				7,148	12,511	17,848																
GC01x03.5-SR2	Start	11,900			15,059	26,064	37,024																591	1,205
	Min	6,903			5,907	10,573	15,220																	
	End	14,043			8,261	15,864	23,435																	
GC01x01.7-SR3	Start	10,816											5,995	7,867	9,734	11,598	13,462	15,326	17,194	19,067	20,947	22,836	2,821	4,820
	Min	6,213											2,176	3,000	3,818	4,633	5,447	6,260	7,073	7,887	8,704	9,522		
	End	12,902											2,290	3,583	4,873	6,161	7,448	8,736	10,027	11,320	12,619	13,924		
GC01x02.0-SR3	Start	10,724								7,404	10,171	12,924	15,665	18,397	21,121	23,842	26,562	29,284					1,940	3,961
	Min	6,175								2,763	3,968	5,164	6,354	7,541	8,726	9,908	11,091	12,273						
	End	12,769								3,263	5,175	7,077	8,970	10,857	12,740	14,619	16,498	18,378						
GC01x02.2-SR3	Start	10,647						7,983	11,826	15,647	19,449	23,234	27,007	30,769									1,432	2,916
	Min	6,144						2,981	4,637	6,280	7,917	9,547	11,173	12,797										
	End	12,658						3,663	6,318	8,958	11,584	14,199	16,805	19,405										
GC01x02.5-SR3	Start	10,565					9,848	14,879	19,881	24,860	29,818												1,108	2,362
	Min	6,111					3,771	5,924	8,063	10,194	12,319													
	End	12,541					4,952	8,427	11,883	15,322	18,747													
GC01x03.0-SR3	Start	10,403			7,620	15,421	23,184	30,911															727	1,640
	Min	6,045			2,824	6,147	9,445	12,731																
	End	12,307			3,412	8,802	14,164	19,502																
GC01x03.5-SR3	Start	10,241		8,194	17,033	28,038	38,998																517	1,205
	Min	5,980		3,093	6,844	11,506	16,153																	
	End	12,073		3,809	9,915	17,518	25,089																	

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC01x01.5-SR4	Start	9,227													4,117	5,395	6,672	7,950	9,231	10,518	11,813	13,117	3,348	5,000
	Min	5,361													1,468	2,171	2,741	3,310	3,879	4,449	5,020	5,594		
	End	11,299													1,468	2,350	3,233	4,115	5,001	5,890	6,784	7,685		
GC01x01.7-SR4	Start	9,113										5,887	7,765	9,637	11,504	13,368	15,232	17,097	18,964	20,837	22,717	24,606	2,410	4,820
	Min	5,315										2,289	3,109	3,925	4,739	5,551	6,363	7,174	7,987	8,800	9,616	10,434		
	End	11,136										2,690	3,988	5,281	6,571	7,859	9,146	10,434	11,725	13,018	14,317	15,622		
GC01x02.0-SR4	Start	9,020							6,389	9,174	11,942	14,694	17,435	20,167	22,892	25,613	28,332	31,054					1,657	3,961
	Min	5,277							2,483	3,689	4,888	6,080	7,269	8,454	9,638	10,821	12,002	13,184						
	End	11,002							3,037	4,961	6,873	8,775	10,668	12,555	14,438	16,317	18,196	20,076						
GC01x02.2-SR4	Start	8,943					5,884	9,753	13,596	17,417	21,219	25,005	28,777	32,540									1,223	2,916
	Min	5,246					2,244	3,906	5,554	7,195	8,829	10,459	12,085	13,707										
	End	10,891					2,689	5,361	8,016	10,656	13,282	15,897	18,503	21,103										
GC01x02.5-SR4	Start	8,862				6,558	11,619	16,649	21,651	26,630	31,588												947	2,362
	Min	5,213				2,531	4,692	6,839	8,976	11,107	13,230													
	End	10,774				3,154	6,650	10,125	13,581	17,020	20,445													
GC01x03.0-SR4	Start	8,700			9,390	17,192	24,954	32,681															621	1,640
	Min	5,148			3,750	7,061	10,357	13,642																
	End	10,540			5,110	10,500	15,862	21,200																
GC01x03.5-SR4	Start	8,537		9,964	18,803	29,808	40,768																442	1,205
	Min	5,082		4,017	7,758	12,418	17,062																	
	End	10,306		5,507	11,613	19,216	26,787																	

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC2x02.0-SR1	Start	25,956														15,883	19,174	22,467	25,766	29,073	32,392	35,726	3,719	4,921
	Min	14,201														4,765	6,458	7,919	9,371	10,820	12,270	13,720		
	End	28,403														4,765	7,041	9,317	11,597	13,883	16,178	18,482		
GC2x02.2-SR1	Start	25,863											19,712	24,265	28,810	33,349	37,886						2,746	3,634
	Min	14,163											6,560	8,562	10,546	12,521	14,491							
	End	28,268											7,413	10,560	13,701	16,839	19,975							
GC2x02.5-SR1	Start	25,765								17,114	23,114	29,092	35,052										2,125	2,812
	Min	14,123								5,337	7,975	10,571	13,148											
	End	28,127								5,616	9,764	13,896	18,017											
GC2x03.0-SR1	Start	25,568						24,436	33,748														1,395	1,845
	Min	14,043						8,481	12,484															
	End	27,844						10,678	17,115															
GC2x03.5-SR1	Start	25,371				20,960	34,223																992	1,312
	Min	13,963				6,973	12,661																	
	End	27,560				8,275	17,443																	
GC2x04.0-SR1	Start	25,175			20,829	38,621																	744	984
	Min	13,883			6,935	14,539																		
	End	27,277			8,185	20,484																		
GC2x01.7-SR2	Start	22,453																		13,447	15,721	18,007	4,687	5,000
	Min	12,428																		4,376	5,461	6,470		
	End	25,228																		4,376	5,948	7,528		
GC2x02.0-SR2	Start	22,341													15,932	19,225	22,516	25,810	29,108	32,415	35,734	39,068	3,223	4,921
	Min	12,383													5,488	6,944	8,390	9,832	11,272	12,713	14,155	15,602		
	End	25,066													6,094	8,370	10,645	12,922	15,202	17,488	19,782	22,087		
GC2x02.2-SR2	Start	22,248									13,908	18,490	23,055	27,608	32,152	36,691	41,228						2,380	3,634
	Min	12,345									4,482	6,501	8,491	10,469	12,439	14,406	16,370							
	End	24,932									4,695	7,862	11,017	14,165	17,306	20,444	23,580							
GC2x02.5-SR2	Start	22,149							14,432	20,456	26,456	32,434	38,395										1,842	2,812
	Min	12,305							4,666	7,295	9,888	12,465	15,032											
	End	24,790							5,057	9,221	13,368	17,501	21,621											
GC2x03.0-SR2	Start	21,953					18,428	27,779	37,091														1,209	1,845
	Min	12,225					6,375	10,389	14,369															
	End	24,507					7,819	14,283	20,720															
GC2x03.5-SR2	Start	21,756				24,302	37,565																859	1,312
	Min	12,145				8,897	14,546																	
	End	24,224				11,880	21,048																	
GC2x04.0-SR2	Start	21,560			24,172	41,963																	645	984
	Min	12,066			8,860	16,418																		
	End	23,941			11,789	24,088																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC2x01.7-SR3	Start	20,069																11,699	13,959	16,225	18,500	20,786	4,212	5,000
	Min	11,112																3,624	4,825	5,829	6,829	7,828		
	End	22,454																3,624	5,187	6,753	8,326	9,906		
GC2x02.0-SR3	Start	19,957											12,108	15,414	18,711	22,004	25,295	28,588	31,887	35,194	38,513	41,847	2,896	4,921
	Min	11,066											3,907	5,403	6,856	8,299	9,739	11,176	12,613	14,052	15,493	16,937		
	End	22,292											3,907	6,192	8,472	10,748	13,023	15,299	17,580	19,866	22,160	24,465		
GC2x02.2-SR3	Start	19,863									16,687	21,268	25,833	30,386	34,930	39,469	44,007						2,138	3,634
	Min	11,029									5,864	7,859	9,839	11,811	13,779	15,743	17,705							
	End	22,158									7,072	10,239	13,395	16,542	19,683	22,821	25,958							
GC2x02.5-SR3	Start	19,765							17,210	23,235	29,234	35,212	41,173										1,655	2,812
	Min	10,989							6,045	8,648	11,232	13,804	16,368											
	End	22,016							7,434	11,599	15,746	19,878	23,999											
GC2x03.0-SR3	Start	19,568					21,207	30,557	39,869														1,086	1,845
	Min	10,909					7,735	11,732	15,706															
	End	21,733					10,197	16,661	23,098															
GC2x03.5-SR3	Start	19,372			13,764	27,081	40,344																772	1,312
	Min	10,829			4,541	10,244	15,882																	
	End	21,450			5,052	14,257	23,426																	
GC2x04.0-SR3	Start	19,175		12,669	26,950	44,742																	579	984
	Min	10,750		4,093	10,207	17,753																		
	End	21,167		4,295	14,167	26,466																		
GC2x01.7-SR4	Start	17,851															12,512	14,769	17,029	19,295	21,570	23,856	3,771	5,000
	Min	9,788															4,172	5,178	6,177	7,173	8,168	9,164		
	End	19,389															4,275	5,835	7,398	8,964	10,537	12,117		
GC2x02.0-SR4	Start	17,739										11,862	15,179	18,484	21,781	25,074	28,365	31,659	34,957	38,264	41,583	44,917	2,593	4,921
	Min	9,743										3,818	5,295	6,750	8,195	9,634	11,071	12,507	13,943	15,380	16,820	18,265		
	End	19,227										3,826	6,119	8,403	10,683	12,959	15,234	17,511	19,791	22,077	24,371	26,676		
GC2x02.2-SR4	Start	17,646								15,156	19,757	24,338	28,904	33,456	38,001	42,540	47,077						1,914	3,634
	Min	9,705								5,204	7,209	9,195	11,172	13,142	15,107	17,070	19,033							
	End	19,093								6,103	9,284	12,450	15,606	18,753	21,895	25,032	28,169							
GC2x02.5-SR4	Start	17,547						14,227	20,281	26,305	32,305	38,283	44,243										1,482	2,812
	Min	9,665						4,764	7,388	9,982	12,562	15,132	17,696											
	End	18,951						5,461	9,645	13,810	17,957	22,090	26,210											
GC2x03.0-SR4	Start	17,351				14,884	24,277	33,628	42,939														972	1,845
	Min	9,585				5,039	9,071	13,062	17,034															
	End	18,668				5,915	12,408	18,872	25,309															
GC2x03.5-SR4	Start	17,154			16,834	30,151	43,414																691	1,312
	Min	9,505			5,897	11,576	17,210																	
	End	18,385			7,263	16,469	25,637																	
GC2x04.0-SR4	Start	16,958		15,739	30,020	47,812																	518	984
	Min	9,425		5,456	11,538	19,080																		
	End	18,102		6,506	16,378	28,677																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC3x02.2-SR1	Start	45,530																		32,025	36,777	41,550	4,579	5,000
	Min	24,925																		10,398	12,498	14,586		
	End	50,279																		10,837	14,083	17,342		
GC3x02.5-SR1	Start	45,411													30,679	37,104	43,526	49,952	56,386	62,833	69,298		3,419	4,527
	Min	24,876													9,571	12,409	15,211	17,998	20,778	23,556	26,333			
	End	50,106													9,918	14,306	18,692	23,080	27,474	31,877	36,292			
GC3x03.0-SR1	Start	45,173									40,599	51,062	61,499										2,155	2,853
	Min	24,779									13,676	18,179	22,650											
	End	49,758									16,693	23,838	30,965											
GC3x03.5-SR1	Start	44,935						37,203	52,509	67,766													1,500	1,986
	Min	24,682						12,121	18,678	25,168														
	End	49,411						14,373	24,826	35,246														
GC3x04.0-SR1	Start	44,697					48,976	69,810															1,110	1,470
	Min	24,585					17,138	25,972																
	End	49,064					22,414	36,642																
GC3x04.5-SR1	Start	44,459				52,672																	858	1,136
	Min	24,488				18,711																		
	End	48,717				24,938																		
GC3x02.2-SR2	Start	39,575																29,224	33,947	38,682	43,434	48,207	4,001	5,000
	Min	21,694																9,645	11,728	13,799	15,866	17,933		
	End	43,631																10,319	13,544	16,778	20,023	23,283		
GC3x02.5-SR2	Start	39,456												30,903	37,335	43,760	50,183	56,609	63,043	69,490	75,955		2,987	4,527
	Min	21,646												10,180	12,991	15,778	18,554	21,324	24,093	26,861	29,633			
	End	43,458												11,466	15,859	20,246	24,632	29,021	33,415	37,817	42,233			
GC3x03.0-SR2	Start	39,218								36,762	47,256	57,719	68,155										1,883	2,853
	Min	21,549								12,526	17,031	21,503	25,958											
	End	43,110								15,467	22,634	29,779	36,906											
GC3x03.5-SR2	Start	38,980					28,497	43,859	59,166	74,423													1,310	1,986
	Min	21,451					8,893	15,493	22,000	28,470														
	End	42,763					9,822	20,314	30,767	41,186														
GC3x04.0-SR2	Start	38,742				34,729	55,633	76,467															970	1,470
	Min	21,354				11,584	20,469	29,273																
	End	42,416				14,078	28,354	42,582																
GC3x04.5-SR2	Start	38,503			32,124	59,329																	749	1,136
	Min	21,257			10,488	22,033																		
	End	42,069			12,300	30,878																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC3x02.2-SR3	Start	34,453														25,527	30,240	34,955	39,678	44,413	49,165	53,938	3,504	5,000
	Min	18,915														8,418	10,497	12,561	14,618	16,671	18,726	20,785		
	End	37,907														8,989	12,207	15,428	18,653	21,887	25,132	28,392		
GC3x02.5-SR3	Start	34,334										23,729	30,190	36,635	43,067	49,492	55,915	62,340	68,774	75,221	81,687		2,616	4,527
	Min	18,866										7,449	10,289	13,088	15,868	18,639	21,404	24,166	26,930	29,695	32,463			
	End	37,734										7,761	12,174	16,575	20,967	25,355	29,741	34,129	38,523	42,926	47,341			
GC3x03.0-SR3	Start	34,096							31,961	42,493	52,988	63,450	73,887										1,649	2,853
	Min	18,769							10,894	15,408	19,886	24,345	28,793											
	End	37,387							13,383	20,576	27,742	34,887	42,015											
GC3x03.5-SR3	Start	33,858					34,228	49,591	64,897	80,154													1,148	1,986
	Min	18,672					11,823	18,356	24,841	31,302														
	End	37,039					14,931	25,422	35,875	46,295														
GC3x04.0-SR3	Start	33,620				40,460	61,364	82,198															850	1,470
	Min	18,574				14,475	23,313	32,103																
	End	36,692				19,187	33,463	47,691																
GC3x04.5-SR3	Start	33,382			37,856	65,060																	656	1,136
	Min	18,477			13,392	24,874																		
	End	36,345			17,408	35,987																		
GC3x02.0-SR4	Start	30,161																	18,600	21,805	25,025	28,266	4,419	5,000
	Min	16,571																	5,289	7,394	8,827	10,254		
	End	33,154																	5,289	7,478	9,677	11,890		
GC3x02.2-SR4	Start	30,048												21,017	25,738	30,453	35,165	39,881	44,604	49,339	54,090	58,864	3,077	5,000
	Min	16,525												6,773	8,862	10,927	12,980	15,028	17,074	19,122	21,170	23,225		
	End	32,988												6,939	10,164	13,383	16,602	19,822	23,047	26,281	29,526	32,786		
GC3x02.5-SR4	Start	29,929									22,170	28,654	35,116	41,560	47,992	54,417	60,840	67,266	73,700	80,147	86,612		2,297	4,527
	Min	16,476									7,145	9,977	12,773	15,552	18,321	21,083	23,843	26,602	29,361	32,124	34,892			
	End	32,815									7,727	12,155	16,568	20,969	25,361	29,749	34,135	38,524	42,917	47,320	51,735			
GC3x03.0-SR4	Start	29,691						26,311	36,887	47,419	57,913	68,376	78,812										1,448	2,853
	Min	16,379						8,841	13,372	17,861	22,328	26,781	31,222											
	End	32,468						10,555	17,777	24,970	32,136	39,281	46,409											
GC3x03.5-SR4	Start	29,453				23,728	39,154	54,516	69,823	85,080													1,008	1,986
	Min	16,281				7,711	14,294	20,801	27,276	33,731														
	End	32,120				8,791	19,325	29,817	40,270	50,689														
GC3x04.0-SR4	Start	29,215			24,404	45,386	66,290	87,124															746	1,470
	Min	16,184			8,022	16,932	25,750	34,532																
	End	31,773			9,252	23,581	37,857	52,085																
GC3x04.5-SR4	Start	28,976		20,950	42,781	69,986																	576	1,136
	Min	16,087		6,564	15,854	27,309																		
	End	31,426		6,894	21,803	40,381																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC4x03.0-SR1	Start	93,993															66,541	77,726	88,925	100,146	111,397	122,688	3,982	5,000
	Min	50,019															19,807	24,838	29,794	34,714	39,621	44,525		
	End	97,709															19,885	27,614	35,352	43,105	50,880	58,681		
GC4x03.5-SR1	Start	93,703											84,256	101,153	118,027	134,888							2,687	3,495
	Min	49,901											27,242	34,625	41,948	49,238								
	End	97,290											32,126	43,801	55,461	67,111								
GC4x04.0-SR1	Start	93,412								85,839	109,440	132,985											1,955	2,542
	Min	49,783								27,697	37,934	48,071												
	End	96,871								33,220	49,527	65,796												
GC4x04.5-SR1	Start	93,084						82,628	113,695	144,659													1,493	1,942
	Min	49,649						26,258	39,710	53,005														
	End	96,398						31,001	52,467	73,862														
GC4x05.0-SR1	Start	92,788					93,009	132,551															1,181	1,536
	Min	49,529					30,712	47,698																
	End	95,973					38,174	65,496																
GC4x06.0-SR1	Start	92,198			71,078	130,345																	796	1,036
	Min	49,288			21,150	46,696																		
	End	95,122			23,020	63,972																		
GC4x03.0-SR2	Start	81,947														71,052	82,232	93,417	104,616	115,837	127,088	138,379	3,486	5,000
	Min	43,015														22,183	27,150	32,071	36,967	41,853	46,734	51,619		
	End	82,044														24,172	31,897	39,625	47,363	55,117	62,891	70,693		
GC4x03.5-SR2	Start	81,656									66,046	83,018	99,947	116,844	133,718	150,579							2,353	3,495
	Min	42,897									19,545	27,060	34,441	41,764	49,053	56,320								
	End	81,625									20,713	32,440	44,138	55,813	67,472	79,123								
GC4x04.0-SR2	Start	81,365							77,862	101,530	125,131	148,676											1,711	2,542
	Min	42,778							24,612	34,892	45,052	55,155												
	End	81,207							28,877	45,231	61,539	77,808												
GC4x04.5-SR2	Start	81,037					67,134	98,319	129,386	160,350													1,307	1,942
	Min	42,645					19,865	33,471	46,822	60,080														
	End	80,734					21,465	43,012	64,479	85,874														
GC4x05.0-SR2	Start	80,742				69,014	108,700	148,242															1,034	1,536
	Min	42,524				20,681	37,878	54,783																
	End	80,308				22,764	50,185	77,508																
GC4x06.0-SR2	Start	80,151			86,769	146,036																	697	1,036
	Min	42,284			28,457	53,784																		
	End	79,457			35,032	75,984																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC4x03.0-SR3	Start	68,767												61,871	73,067	84,251	95,431	106,616	117,815	129,036	140,287	151,578	2,942	5,000
	Min	36,187												19,621	24,574	29,477	34,356	39,219	44,077	48,937	53,798	58,666		
	End	68,868												21,850	29,586	37,313	45,038	52,767	60,505	68,258	76,033	83,834		
GC4x03.5-SR3	Start	68,476								62,222	79,245	96,216	113,146	130,043	146,917	163,778							1,986	3,495
	Min	36,068								19,467	26,915	34,266	41,572	48,848	56,106	63,357								
	End	68,449								22,092	33,854	45,581	57,279	68,954	80,614	92,264								
GC4x04.0-SR3	Start	68,186						67,315	91,061	114,729	138,330	161,875											1,444	2,542
	Min	35,950						21,584	31,857	42,018	52,124	62,195												
	End	68,030						25,611	42,019	58,373	74,680	90,949												
GC4x04.5-SR3	Start	67,857					80,333	111,518	142,585	173,549													1,103	1,942
	Min	35,816					27,225	40,609	53,885	67,108														
	End	67,557					34,606	56,154	77,620	99,015														
GC4x05.0-SR3	Start	67,562				82,213	121,898	161,441															873	1,536
	Min	35,696				28,014	44,983	61,824																
	End	67,132				35,905	63,327	90,649																
GC4x06.0-SR3	Start	66,971			99,968	159,235																	588	1,036
	Min	35,455			35,644	60,827																		
	End	66,281			48,173	89,125																		
GC4x02.5-SR4	Start	56,800																41,375	47,784	54,214	60,670	67,162	4,112	5,000
	Min	30,137																12,028	15,637	18,516	21,382	24,242		
	End	57,899																12,028	16,457	20,899	25,360	29,846		
GC4x03.0-SR4	Start	56,509										50,816	62,061	73,278	84,473	95,657	106,837	118,023	129,221	140,442	151,694	162,985	2,437	5,000
	Min	30,018										16,383	21,332	26,227	31,097	35,949	40,796	45,635	50,477	55,321	60,171	65,031		
	End	57,480										18,551	26,321	34,072	41,808	49,535	57,260	64,989	72,727	80,480	88,255	96,056		
GC4x03.5-SR4	Start	56,219							56,545	73,629	90,652	107,623	124,553	141,450	158,324	175,185							1,645	3,495
	Min	29,900							18,675	26,077	33,411	40,707	47,977	55,233	62,475	69,714								
	End	57,061							22,510	34,314	46,076	57,803	69,501	81,176	92,836	104,486								
GC4x04.0-SR4	Start	55,928					54,888	78,722	102,467	126,135	149,737	173,281											1,196	2,542
	Min	29,782					17,879	28,151	38,312	48,422	58,499	68,554												
	End	56,643					21,365	37,833	54,241	70,595	86,902	103,171												
GC4x04.5-SR4	Start	55,600				60,423	91,739	122,924	153,992	184,955													914	1,942
	Min	29,648				20,294	33,718	47,018	60,258	73,460														
	End	56,170				25,189	46,828	68,376	89,842	111,237														
GC4x05.0-SR4	Start	55,304			53,775	93,619	133,305	172,848															723	1,536
	Min	29,528			17,432	34,500	51,381	68,184																
	End	55,744			20,596	48,127	75,549	102,871																
GC4x06.0-SR4	Start	54,714		63,815	111,374	170,642																	487	1,036
	Min	29,287		21,833	42,076	67,188																		
	End	54,893		27,533	60,395	101,347																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC5x04.0-SR1	Start	213,686															190,409	216,108	241,839	267,620	293,471	319,413	3,916	5,000
	Min	106,899															50,945	64,527	76,076	87,500	98,867	110,205		
	End	191,258															50,945	68,719	86,514	104,344	122,223	140,165		
GC5x04.5-SR1	Start	213,304											193,263	228,629	263,944	299,229	334,505						2,892	3,799
	Min	106,742											52,919	69,216	84,875	100,352	115,736							
	End	190,708											52,919	77,378	101,802	126,206	150,603							
GC5x05.0-SR1	Start	212,922									219,106	265,392	311,576	357,681									2,238	2,920
	Min	106,586									64,395	84,876	105,023	125,007										
	End	190,158									70,792	102,803	134,744	166,631										
GC5x06.0-SR1	Start	212,159						229,070	300,807	372,350													1,469	1,929
	Min	106,272						68,338	99,654	130,482														
	End	189,058						77,683	127,297	176,776														
GC5x07.0-SR1	Start	211,395				202,781	304,636																1,044	1,372
	Min	105,959				56,471	101,079																	
	End	187,958				59,502	129,945																	
GC5x08.0-SR1	Start	210,456			201,999	338,035																	783	1,029
	Min	105,573			56,234	115,516																		
	End	186,605			58,960	153,044																		
GC5x04.0-SR2	Start	191,257														195,121	220,808	246,507	272,238	298,019	323,870	349,812	3,514	5,000
	Min	93,512														55,218	66,915	78,402	89,786	101,112	112,411	123,697		
	End	160,895														55,555	73,320	91,094	108,889	126,719	144,598	162,540		
GC5x04.5-SR2	Start	190,875										188,223	223,662	259,028	294,343	329,628	364,905						2,595	3,799
	Min	93,355										50,784	67,332	83,015	98,502	113,889	129,209							
	End	160,345										50,784	75,294	99,753	124,177	148,581	172,978							
GC5x05.0-SR2	Start	190,493								203,096	249,505	295,791	341,975	388,080									2,008	2,920
	Min	93,197								57,606	78,271	98,504	118,535	138,455										
	End	159,795								61,070	93,167	125,178	157,119	189,006										
GC5x06.0-SR2	Start	189,730					187,512	259,469	331,206	402,749													1,318	1,929
	Min	92,882					50,114	82,151	113,195	143,913														
	End	158,694					50,292	100,058	149,672	199,151														
GC5x07.0-SR2	Start	188,966				233,180	335,035																937	1,372
	Min	92,567				70,536	114,610																	
	End	157,594				81,877	152,320																	
GC5x08.0-SR2	Start	188,027			232,398	368,434																	703	1,029
	Min	92,180			70,308	128,989																		
	End	156,241			81,335	175,419																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC5x03.5-SR3	Start	153,672																137,171	154,456	171,787	189,183	206,662	4,120	5,000
	Min	76,607																35,369	46,353	54,207	61,989	69,732		
	End	135,473																35,369	47,323	59,309	71,341	83,429		
GC5x04.0-SR3	Start	153,290											143,933	169,704	195,427	221,123	246,810	272,509	298,240	324,021	349,872	375,814	2,833	5,000
	Min	76,450											40,046	52,095	63,537	74,858	86,107	97,321	108,510	119,701	130,891	142,108		
	End	134,923											40,046	57,869	75,659	93,430	111,196	128,969	146,765	164,595	182,474	200,415		
GC5x04.5-SR3	Start	152,908								143,044	178,692	214,225	249,664	285,031	320,345	355,630	390,907						2,092	3,799
	Min	76,293								39,414	55,464	71,076	86,511	101,845	117,124	132,357	147,575							
	End	134,373								39,430	64,085	88,660	113,170	137,629	162,053	186,456	210,853							
GC5x05.0-SR3	Start	152,527							182,542	229,098	275,507	321,793	367,977	414,082									1,619	2,920
	Min	76,136							56,832	77,132	97,193	117,125	136,976	156,772										
	End	133,823							66,747	98,946	131,043	163,054	194,995	226,882										
GC5x06.0-SR3	Start	151,763				141,310	213,514	285,471	357,208	428,751													1,062	1,929
	Min	75,823				38,186	70,051	100,995	131,668	162,203														
	End	132,723				38,231	88,168	137,934	187,547	237,027														
GC5x07.0-SR3	Start	150,999			157,021	259,182	361,037																755	1,372
	Min	75,509			45,325	89,623	133,073																	
	End	131,623			49,097	119,752	190,195																	
GC5x08.0-SR3	Start	150,060		149,205	258,400	394,436																	567	1,029
	Min	75,124		41,968	89,400	147,357																		
	End	130,269		43,691	119,211	213,295																		
GC5x03.5-SR4	Start	127,761													106,872	124,125	141,371	158,627	175,911	193,243	210,639	228,117	3,443	5,000
	Min	64,146													25,424	36,958	44,793	52,518	60,191	67,838	75,475	83,120		
	End	114,043													25,424	37,356	49,283	61,218	73,172	85,158	97,189	109,277		
GC5x04.0-SR4	Start	127,379									113,627	139,551	165,389	191,160	216,883	242,578	268,266	293,965	319,695	345,476	371,328	397,269	2,367	5,000
	Min	63,989									30,095	43,011	54,462	65,770	77,004	88,189	99,351	110,499	121,643	132,790	143,956	155,140		
	End	113,493									30,095	48,025	65,894	83,718	101,508	119,279	137,045	154,818	172,613	190,443	208,323	226,264		
GC5x04.5-SR4	Start	126,997							128,715	164,499	200,148	235,681	271,120	306,486	341,801	377,086	412,362						1,748	3,799
	Min	63,832							37,724	53,546	69,070	84,449	99,752	115,008	130,218	145,418	160,599							
	End	112,942							40,530	65,279	89,934	114,508	139,018	163,478	187,902	212,305	236,702							
GC5x05.0-SR4	Start	126,616						157,271	203,997	250,554	296,963	343,248	389,432	435,538									1,353	2,920
	Min	63,676						50,144	70,407	90,447	110,372	130,220	150,027	169,780										
	End	112,392						60,280	92,596	124,795	156,892	188,903	220,844	252,731										
GC5x06.0-SR4	Start	125,852				162,765	234,969	306,927	378,664	450,206													888	1,929
	Min	63,362				52,387	83,435	114,161	144,731	175,202														
	End	111,292				64,080	114,016	163,783	213,396	262,875														
GC5x07.0-SR4	Start	125,088			178,477	280,638	382,492																631	1,372
	Min	63,048			59,199	102,846	146,133																	
	End	110,192			74,946	145,601	216,044																	
GC5x08.0-SR4	Start	124,149		170,660	279,855	415,892																	474	1,029
	Min	62,663		55,975	102,625	160,381																		
	End	108,839		69,540	145,060	239,143																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC7x04.5-SR1	Start	424,258																			398,133	438,735	4,969	5,000
	Min	207,814																			102,743	126,116		
	End	361,917																			102,743	130,824		
GC7x05.0-SR1	Start	423,788															434,852	488,309	541,812	595,391	649,074	702,891	3,785	4,888
	Min	207,621															122,980	147,120	170,872	194,428	217,871	241,249		
	End	361,242															128,138	165,109	202,112	239,167	276,295	313,515		
GC7x06.0-SR1	Start	422,850										473,800	558,090	642,267	726,363								2,440	3,150
	Min	207,236										138,869	176,142	212,866	249,321									
	End	359,890										155,075	213,370	271,587	329,748									
GC7x07.0-SR1	Start	421,912							473,893	595,046	715,960												1,718	2,218
	Min	206,850							138,143	191,336	243,645													
	End	358,539							155,139	238,929	322,554													
GC7x08.0-SR1	Start	420,758					438,304	601,290															1,281	1,654
	Min	206,376					122,167	193,996																
	End	356,876					130,525	243,247																
GC7x09.0-SR1	Start	419,791				464,491	675,606																994	1,283
	Min	205,979				133,782	225,801																	
	End	355,482				148,637	294,645																	
GC7x10.0-SR1	Start	418,823			411,660	676,718																	795	1,027
	Min	205,582			109,862	226,144																		
	End	354,089			112,099	295,413																		
GC7x04.5-SR2	Start	374,251																	358,533	398,914	439,392	479,994	4,392	5,000
	Min	183,791																	96,703	117,130	135,308	153,303		
	End	320,707																	96,703	124,631	152,625	180,706		
GC7x05.0-SR2	Start	373,782													369,220	422,671	476,111	529,568	583,071	636,650	690,333	744,150	3,346	4,888
	Min	183,598													102,268	126,528	150,273	173,781	197,139	220,430	243,677	266,910		
	End	320,031													104,094	141,061	178,020	214,991	251,994	289,049	326,177	363,397		
GC7x06.0-SR2	Start	372,844									430,623	515,059	599,349	683,526	767,622								2,156	3,150
	Min	183,213									128,572	165,703	202,335	238,711	274,933									
	End	318,679									146,560	204,957	263,252	321,469	379,630									
GC7x07.0-SR2	Start	371,906						393,723	515,152	636,305	757,220												1,518	2,218
	Min	182,827						111,509	164,995	217,377	269,290													
	End	317,328						121,041	205,021	288,811	372,436													
GC7x08.0-SR2	Start	370,752					479,563	642,549															1,132	1,654
	Min	182,354					149,487	220,004																
	End	315,665					180,408	293,129																
GC7x09.0-SR2	Start	369,784				505,750	716,866																878	1,283
	Min	181,956				160,743	251,568																	
	End	314,272				198,519	344,527																	
GC7x10.0-SR2	Start	368,817			452,919	717,977																	703	1,027
	Min	181,559			137,712	251,908																		
	End	312,878			161,981	345,295																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC7x04.5-SR3	Start	307,767														292,613	332,865	373,132	413,442	453,822	494,300	534,903	3,625	5,000
	Min	151,840														79,457	99,078	117,107	134,929	152,656	170,326	187,975		
	End	265,863														79,457	107,294	135,143	163,022	190,949	218,944	247,025		
GC7x05.0-SR3	Start	307,298											317,072	370,635	424,128	477,580	531,020	584,476	637,980	691,558	745,241	799,059	2,761	4,888
	Min	151,648											90,856	114,846	138,415	161,765	184,997	208,165	231,288	254,395	277,507	300,647		
	End	265,187											96,372	133,417	170,413	207,380	244,339	281,310	318,313	355,368	392,496	429,716		
GC7x06.0-SR3	Start	306,360							316,086	400,915	485,531	569,968	654,258	738,434	822,531								1,779	3,150
	Min	151,262							89,400	126,986	163,756	200,199	236,448	272,570	308,630									
	End	263,835							95,690	154,358	212,879	271,276	329,571	387,788	445,949									
GC7x07.0-SR3	Start	305,422					326,890	448,632	570,061	691,214	812,128												1,253	2,218
	Min	150,877					93,928	147,236	199,500	251,360	303,015													
	End	262,484					103,162	187,359	271,340	355,130	438,754													
GC7x08.0-SR3	Start	304,268				370,958	534,471	697,457															934	1,654
	Min	150,403				113,504	184,226	253,972																
	End	260,821				133,640	246,726	359,448																
GC7x09.0-SR3	Start	303,301			348,898	560,659	771,774																725	1,283
	Min	150,006			103,796	195,301	285,355																	
	End	259,428			118,383	264,838	410,845																	
GC7x10.0-SR3	Start	302,333		295,226	507,828	772,885																	580	1,027
	Min	149,609		79,828	172,683	285,695																		
	End	258,034		81,264	228,300	411,614																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC7x04.0-SR4	Start	258,230																225,586	254,112	282,703	311,384	340,181	4,232	5,000
	Min	128,010																54,448	73,716	86,724	99,564	112,321		
	End	225,328																54,448	74,176	93,950	113,786	133,702		
GC7x04.5-SR4	Start	257,761												253,310	293,610	333,873	374,124	414,391	454,701	495,081	535,559	576,162	3,048	5,000
	Min	127,817												71,922	90,152	108,023	125,725	143,334	160,886	178,416	195,950	213,481		
	End	224,652												73,621	101,493	129,339	157,177	185,025	212,904	240,831	268,826	296,907		
GC7x05.0-SR4	Start	257,292									250,877	304,668	358,331	411,894	465,387	518,839	572,279	625,735	679,239	732,817	786,501	840,318	2,321	4,888
	Min	127,625									69,998	94,168	117,771	141,117	164,328	187,448	210,521	233,569	256,604	279,636	302,698	325,785		
	End	223,976									71,939	109,141	146,254	183,299	220,295	257,262	294,221	331,192	368,195	405,250	442,378	479,598		
GC7x06.0-SR4	Start	256,354						272,270	357,345	442,174	526,790	611,227	695,517	779,693	863,790								1,496	3,150
	Min	127,240						78,992	116,378	153,046	189,425	225,635	261,740	297,772	333,756									
	End	222,624						86,734	145,572	204,240	262,761	321,158	379,453	437,670	495,831									
GC7x07.0-SR4	Start	255,416				246,056	368,149	489,891	611,320	732,473	853,387												1,053	2,218
	Min	126,854				66,962	120,735	173,054	224,939	276,608	328,149													
	End	221,273				68,605	153,044	237,242	321,222	405,012	488,637													
GC7x08.0-SR4	Start	254,262			248,121	412,217	575,730	738,716															785	1,654
	Min	126,380			68,047	139,801	209,754	279,213																
	End	219,611			70,033	183,522	296,608	409,330																
GC7x09.0-SR4	Start	253,294			390,157	601,918	813,033																610	1,283
	Min	125,983			130,317	220,765	310,529																	
	End	218,217			168,265	314,720	460,728																	
GC7x10.0-SR4	Start	252,327		336,485	549,087	814,144																	488	1,027
	Min	125,586		107,252	198,291	310,868																		
	End	216,823		131,146	278,182	461,496																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC8x06.0-SR1	Start	626,175													570,140	661,152	752,146	843,164	934,249	1,025,442	1,116,784		3,307	4,664
	Min	322,198													169,681	209,987	249,788	289,343	328,744	368,064	407,378			
	End	604,897													188,377	251,325	314,260	377,212	440,210	503,283	566,459			
GC8x07.0-SR1	Start	625,064									591,978	726,449	860,714	994,821	1,128,815								2,270	3,201
	Min	321,743									177,669	236,598	294,736	352,471	410,010									
	End	603,296									203,481	296,487	389,350	482,104	574,781									
GC8x08.0-SR1	Start	623,697							665,668	849,194	1,032,279												1,667	2,350
	Min	321,184							209,814	289,396	368,139													
	End	601,326							254,448	381,382	508,012													
GC8x09.0-SR1	Start	622,551					578,129	819,065	1,059,364														1,281	1,806
	Min	320,715					170,804	275,623	378,711															
	End	599,675					193,903	360,544	526,745															
GC8x10.0-SR1	Start	621,405				587,867	892,574	1,196,500															1,018	1,435
	Min	320,247				174,907	306,816	436,653																
	End	598,024				200,638	411,386	621,594																
GC8x12.0-SR1	Start	618,728			717,629	1,168,617																	689	972
	Min	319,151			231,637	424,590																		
	End	594,165			290,387	602,309																		
GC8x05.0-SR2	Start	504,041																	410,348	465,269	520,323	575,546	4,348	4,765
	Min	265,120																	125,516	149,946	174,156	198,266		
	End	513,477																	136,420	174,406	212,483	250,678		
GC8x06.0-SR2	Start	502,930											481,015	572,186	663,256	754,267	845,261	936,280	1,027,365	1,118,557	1,209,900		2,666	4,664
	Min	264,667											153,991	193,744	233,185	272,451	311,616	350,749	389,818	428,915	468,036			
	End	511,875											185,296	248,354	311,342	374,289	437,224	500,177	563,175	626,248	689,424			
GC8x07.0-SR2	Start	501,819							415,351	550,372	685,094	819,564	953,829	1,087,936	1,221,931								1,829	3,201
	Min	264,214							123,872	182,861	240,933	298,606	356,082	413,397	470,659									
	End	510,274							139,881	233,266	326,446	419,451	512,315	605,069	697,745									
GC8x08.0-SR2	Start	500,452						574,747	758,783	942,309	1,125,395												1,343	2,350
	Min	263,656						193,225	272,282	350,801	428,989													
	End	508,304						250,126	377,412	504,347	630,977													
GC8x09.0-SR2	Start	499,306				429,594	671,245	912,181	1,152,479														1,032	1,806
	Min	263,189				129,846	234,270	337,160	439,510															
	End	506,653				149,732	316,867	483,509	649,709															
GC8x10.0-SR2	Start	498,160				680,982	985,690	1,289,615															820	1,435
	Min	262,722				238,252	368,066	497,199																
	End	505,002				323,602	534,351	744,559																
GC8x12.0-SR2	Start	495,483		448,944	810,744	1,261,732																	556	972
	Min	261,630		138,595	293,727	485,182																		
	End	501,144		163,115	413,351	725,273																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC8x05.0-SR3	Start	426,722														324,590	379,335	434,102	488,928	543,849	598,903	654,126	3,692	4,765
	Min	224,776														95,941	120,480	144,654	168,654	192,572	216,458	240,351		
	End	434,976														99,900	137,764	175,643	213,563	251,549	289,626	327,821		
GC8x06.0-SR3	Start	425,611									376,784	468,281	559,595	650,765	741,836	832,847	923,841	1,014,860	1,105,944	1,197,137	1,288,480		2,264	4,664
	Min	224,323									117,021	157,023	196,551	235,860	275,026	314,121	353,161	392,200	431,201	470,232	509,305			
	End	433,374									136,000	199,283	262,439	325,497	388,485	451,432	514,367	577,320	640,318	703,390	766,567			
GC8x07.0-SR3	Start	424,500						358,567	493,931	628,951	763,674	898,144	1,032,409	1,166,516	1,300,511								1,554	3,201
	Min	223,870						108,153	167,052	225,068	282,729	340,179	397,521	454,740	511,928									
	End	431,773						123,400	217,024	310,409	403,589	496,594	589,458	682,212	774,888									
GC8x08.0-SR3	Start	423,133					468,714	653,327	837,363	1,020,889	1,203,975												1,141	2,350
	Min	223,313					156,101	235,344	313,953	392,252	470,306													
	End	429,804					199,582	327,269	454,555	581,490	708,119													
GC8x09.0-SR3	Start	421,987				508,174	749,824	990,761	1,231,059														877	1,806
	Min	222,845				172,872	276,104	378,649	480,810															
	End	428,152				226,874	394,010	560,652	726,852															
GC8x10.0-SR3	Start	420,841			453,991	759,562	1,064,269	1,368,195															696	1,435
	Min	222,378			149,551	280,063	409,484	538,469																
	End	426,501			189,399	400,745	611,493	821,701																
GC8x12.0-SR3	Start	418,164		527,524	889,324	1,340,312																	472	972
	Min	221,287		181,434	335,311	526,451																		
	End	422,643		240,257	490,494	802,416																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC10x08.0-SR1	Start	1,448,558												1,490,478	1,716,143	1,941,676	2,167,171						3,089	3,782
	Min	703,514												408,877	510,820	610,549	709,207							
	End	1,212,151												424,919	580,997	736,983	892,943							
GC10x09.0-SR1	Start	1,447,052									1,476,485	1,776,828	2,076,717										2,344	2,840
	Min	702,893									399,742	534,812	666,362											
	End	1,209,982									415,241	622,969	830,382											
GC10x10.0-SR1	Start	1,445,547							1,452,534	1,836,693	2,220,133												1,846	2,260
	Min	702,272							387,154	559,354	726,503													
	End	1,207,813							398,676	664,374	929,574													
GC10x12.0-SR1	Start	1,442,030					1,634,955	2,210,852															1,237	1,515
	Min	700,820					469,136	721,138																
	End	1,202,745					524,844	923,155																
GC10x07.0-SR2	Start	1,167,509														1,243,985	1,406,459	1,568,971	1,731,585	1,894,365	2,057,376	2,220,681	3,465	5,000
	Min	576,486														362,587	434,812	506,105	576,934	647,455	717,796	788,087		
	End	1,018,390														400,680	513,053	625,452	737,921	850,506	963,249	1,076,197		
GC10x08.0-SR2	Start	1,165,714										1,234,938	1,461,147	1,687,037	1,912,702	2,138,235	2,363,730						2,493	3,782
	Min	575,748										357,488	457,801	556,512	654,447	751,887	849,013							
	End	1,015,803										394,422	550,877	707,110	863,188	1,019,175	1,175,135							
GC10x09.0-SR2	Start	1,164,208								1,372,146	1,673,045	1,973,387	2,273,276										1,891	2,840
	Min	575,130								416,483	547,904	677,746	806,753											
	End	1,013,634								489,320	697,433	905,160	1,112,574											
GC10x10.0-SR2	Start	1,162,703						1,264,104	1,649,094	2,033,252	2,416,692												1,489	2,260
	Min	574,511						367,550	536,097	701,705	866,119													
	End	1,011,465						414,595	680,867	946,565	1,211,765													
GC10x12.0-SR2	Start	1,159,186				1,254,060	1,831,514	2,407,411															998	1,515
	Min	573,066				362,731	614,077	860,813																
	End	1,006,397				407,648	807,036	1,205,346																
GC10x14.0-SR2	Start	1,156,084			1,353,194	2,159,364																	718	1,090
	Min	571,792			406,378	753,921																		
	End	1,001,927			476,213	1,033,789																		

Torque - Hydraulic

Spring Return Actuator

Actuator Model	Imperial Unit	Spring Torque lbf-in	Operating Pressure, psig																				MinOP psig	MOP psig
			400	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
			Air Torque Output, lbf-in																					
GC10x07.0-SR3	Start	1,063,734												1,086,389	1,248,980	1,411,481	1,573,955	1,736,467	1,899,081	2,061,862	2,224,872	2,388,177	3,162	5,000
	Min	508,383												279,370	358,542	431,031	502,489	573,371	643,925	714,279	784,561	854,724		
	End	851,073												279,370	391,824	504,215	616,588	728,987	841,457	954,041	1,066,785	1,179,732		
GC10x08.0-SR3	Start	1,061,939									1,175,812	1,402,434	1,628,643	1,854,533	2,080,198	2,305,732	2,531,226						2,275	3,782
	Min	507,642									324,344	426,005	525,334	623,588	721,245	818,544	915,650							
	End	848,486									341,219	497,958	654,412	810,646	966,724	1,122,710	1,278,670							
GC10x09.0-SR3	Start	1,060,433							1,238,084	1,539,642	1,840,541	2,140,883	2,440,772										1,726	2,840
	Min	507,021							350,985	484,331	615,016	744,531	873,390											
	End	846,317							384,288	592,856	800,968	1,008,696	1,216,109											
GC10x10.0-SR3	Start	1,058,928						1,431,600	1,816,590	2,200,749	2,584,188												1,359	2,260
	Min	506,399						435,929	603,259	768,489	932,723													
	End	844,148						518,130	784,403	1,050,101	1,315,301													
GC10x12.0-SR3	Start	1,055,411				1,421,556	1,999,011	2,574,907															911	1,515
	Min	504,948				431,173	681,024	927,431																
	End	839,080				511,183	910,571	1,308,882																
GC10x14.0-SR3	Start	1,052,309			1,520,690	2,326,861																	655	1,090
	Min	503,667			474,289	820,571																		
	End	834,611			579,748	1,137,324																		
GC10x06.0-SR4	Start	852,740															864,717	970,851	1,077,077	1,183,452	1,290,036	1,396,885	3,836	5,000
	Min	415,427															239,161	287,447	334,816	381,697	428,328	474,823		
	End	715,930															242,990	316,396	389,866	463,439	537,156	611,057		
GC10x07.0-SR4	Start	851,280										898,071	1,061,037	1,223,783	1,386,375	1,548,876	1,711,350	1,873,862	2,036,476	2,199,256	2,362,267	2,525,571	2,539	5,000
	Min	414,825										251,080	324,003	395,438	466,152	536,465	606,548	676,486	746,308	816,134	885,947	955,770		
	End	713,826										266,060	378,772	491,333	603,787	716,179	828,552	940,951	1,053,420	1,166,005	1,278,749	1,391,696		
GC10x08.0-SR4	Start	849,485							858,354	1,086,080	1,313,207	1,539,828	1,766,038	1,991,928	2,217,593	2,443,126	2,668,621						1,826	3,782
	Min	414,084							232,218	334,284	433,474	531,555	629,036	726,164	823,060	919,765	1,016,401							
	End	711,239							238,590	396,093	553,182	709,921	866,376	1,022,609	1,178,687	1,334,674	1,490,634							
GC10x09.0-SR4	Start	847,980						1,073,159	1,375,479	1,677,037	1,977,936	2,278,278	2,578,167										1,385	2,840
	Min	413,462						327,408	458,895	588,703	717,674	846,209	974,345											
	End	709,070						387,156	596,251	804,819	1,012,932	1,220,659	1,428,073											
GC10x10.0-SR4	Start	846,474					1,183,061	1,568,994	1,953,985	2,338,143	2,721,583												1,091	2,260
	Min	412,841					374,836	541,249	706,028	869,984	1,033,424													
	End	706,901					463,168	730,094	996,366	1,262,064	1,527,264													
GC10x12.0-SR4	Start	842,957			979,772	1,558,951	2,136,405	2,712,302															731	1,515
	Min	411,389			285,753	536,603	783,074	1,028,143																
	End	701,833			322,567	723,147	1,122,535	1,520,845																
GC10x14.0-SR4	Start	839,856		1,011,592	1,658,085	2,464,255																	526	1,090
	Min	410,109		300,041	578,849	921,782																		
	End	697,364		344,575	791,712	1,349,288																		