

Torque - Pneumatic Double-Acting Actuator

Actuator Model	Imperial Unit	Stroke Direction	Operating Pressure, psig																	MinOP psig	MOP psig
			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
			Air Torque Output, lbf-in																		
GC01x08	Start	Outboard	6,613	8,382	10,150	11,920	13,689	15,459	17,229	18,999	20,770	22,541	24,312	26,083	27,855	29,627	31,399	33,172	34,944	40	192
	Min		4,159	5,233	6,308	7,383	8,458	9,532	10,607	11,683	12,758	13,833	14,908	15,984	17,059	18,135	19,210	20,286	21,362		
	End		9,526	12,073	14,621	17,170	19,719	22,268	24,818	27,368	29,918	32,469	35,021	37,572	40,124	42,677	45,230	47,783	50,337		
GC01x08	Start	Inboard	9,422	11,945	14,469	16,992	19,516	22,041	24,566	27,091	29,617	32,143	34,670	37,196	39,724	42,252	44,780	47,308	49,837	40	192
	Min		4,099	5,159	6,219	7,279	8,339	9,399	10,459	11,520	12,580	13,641	14,701	15,762	16,822	17,883	18,944	20,005	21,066		
	End		6,479	8,214	9,949	11,684	13,420	15,155	16,892	18,628	20,365	22,102	23,839	25,577	27,314	29,053	30,791	32,530	34,269		
GC01x09	Start	Outboard	8,483	10,733	12,982	15,232	17,483	19,733	21,984	24,236	26,487	28,739	30,991	33,244						40	151
	Min		5,308	6,674	8,040	9,406	10,772	12,139	13,505	14,871	16,238	17,605	18,971	20,338							
	End		12,220	15,460	18,701	21,942	25,184	28,426	31,668	34,911	38,154	41,398	44,642	47,887							
GC01x09	Start	Inboard	12,134	15,354	18,574	21,795	25,016	28,237	31,460	34,682	37,905	41,129	44,352	47,577						40	151
	Min		5,251	6,603	7,955	9,307	10,659	12,011	13,363	14,716	16,068	17,421	18,773	20,126							
	End		8,343	10,557	12,772	14,986	17,201	19,416	21,632	23,848	26,064	28,280	30,497	32,714							
GC01x10	Start	Outboard	11,331	14,308	17,285	20,263	23,241	26,220	29,199	32,178										40	114
	Min		7,052	8,859	10,665	12,472	14,279	16,086	17,894	19,701											
	End		16,321	20,610	24,899	29,189	33,479	37,769	42,060	46,352											
GC01x10	Start	Inboard	16,262	20,537	24,812	29,088	33,365	37,642	41,919	46,197										40	114
	Min		6,999	8,793	10,586	12,380	14,174	15,968	17,762	19,556											
	End		11,182	14,121	17,061	20,001	22,942	25,883	28,824	31,766											
GC01x12	Start	Outboard	16,365	20,626	24,887	29,148	33,410													40	80
	Min		10,131	12,715	15,298	17,883	20,467														
	End		23,574	29,711	35,849	41,988	48,127														
GC01x12	Start	Inboard	23,561	29,696	35,832	41,969	48,106													40	80
	Min		10,085	12,657	15,230	17,802	20,375														
	End		16,200	20,419	24,639	28,858	33,078														
GC01x14	Start	Outboard	19,951	25,127	30,305															40	66
	Min		12,327	15,466	18,605																
	End		28,738	36,196	43,653																
GC01x14	Start	Inboard	28,758	36,222	43,687															40	66
	Min		12,286	15,415	18,544																
	End		19,775	24,907	30,039																

Torque - Pneumatic Double-Acting Actuator

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			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC2x09	Start	Outboard	10,268	12,990	15,713	18,436	21,160	23,884	26,608	29,333	32,058	34,784	37,509	40,236	42,962	45,689	48,417	51,145		40	187
	Min		6,425	8,078	9,732	11,385	13,039	14,693	16,346	18,000	19,655	21,309	22,963	24,618	26,272	27,927	29,582	31,236			
	End		14,786	18,706	22,627	26,549	30,471	34,394	38,317	42,241	46,165	50,090	54,015	57,941	61,868	65,795	69,723	73,651			
GC2x09	Start	Inboard	14,679	18,574	22,470	26,366	30,263	34,160	38,058	41,956	45,855	49,755	53,655	57,556	61,457	65,359	69,261	73,164		40	187
	Min		6,355	7,991	9,627	11,264	12,900	14,536	16,173	17,810	19,446	21,083	22,720	24,357	25,995	27,632	29,269	30,907			
	End		10,101	12,781	15,462	18,143	20,824	23,506	26,188	28,871	31,554	34,237	36,921	39,605	42,290	44,975	47,660	50,346			
GC2x10	Start	Outboard	13,714	17,317	20,921	24,525	28,129	31,734	35,340	38,946	42,552	46,159	49,766							40	141
	Min		8,536	10,722	12,909	15,096	17,284	19,471	21,658	23,846	26,034	28,222	30,410								
	End		19,748	24,937	30,127	35,317	40,508	45,699	50,891	56,084	61,277	66,471	71,666								
GC2x10	Start	Inboard	19,673	24,844	30,016	35,189	40,363	45,537	50,711	55,887	61,063	66,239	71,416							40	141
	Min		8,471	10,641	12,812	14,983	17,154	19,325	21,496	23,668	25,839	28,011	30,183								
	End		13,537	17,096	20,655	24,214	27,774	31,335	34,896	38,457	42,018	45,581	49,143								
GC2x12	Start	Outboard	19,806	24,963	30,120	35,278	40,436	45,594	50,754											40	100
	Min		12,262	15,389	18,517	21,645	24,773	27,901	31,029												
	End		28,522	35,948	43,374	50,801	58,229	65,658	73,088												
GC2x12	Start	Inboard	28,501	35,923	43,346	50,770	58,194	65,620	73,046											40	100
	Min		12,205	15,318	18,431	21,545	24,659	27,773	30,887												
	End		19,612	24,719	29,827	34,936	40,045	45,154	50,264												
GC2x14	Start	Outboard	24,147	30,412	36,678	42,945	49,213													40	81
	Min		14,921	18,720	22,520	26,319	30,119														
	End		34,772	43,795	52,819	61,843	70,869														
GC2x14	Start	Inboard	34,790	43,820	52,850	61,881	70,912													40	81
	Min		14,869	18,656	22,443	26,230	30,017														
	End		23,940	30,153	36,367	42,581	48,796														
GC2x16	Start	Outboard	32,023	40,288	48,555															40	61
	Min		19,726	24,737	29,747																
	End		46,114	58,017	69,921																
GC2x16	Start	Inboard	46,203	58,131	70,059															40	61
	Min		19,685	24,685	29,686																
	End		31,794	40,001	48,209																

Torque - Pneumatic Double-Acting Actuator

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			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC3x10	Start	Outboard	16,525	20,872	25,219	29,567	33,916	38,265	42,614	46,965	51,315	55,666	60,018	64,370	68,723	73,077	77,430	81,785	86,140	40	200
	Min		10,345	12,997	15,649	18,301	20,954	23,606	26,259	28,912	31,565	34,218	36,872	39,525	42,179	44,833	47,487	50,141	52,795		
	End		24,105	30,446	36,787	43,130	49,473	55,817	62,162	68,508	74,854	81,201	87,549	93,898	100,248	106,598	112,949	119,301	125,653		
GC3x10	Start	Inboard	23,867	30,151	36,435	42,720	49,006	55,293	61,580	67,868	74,157	80,447	86,737	93,029	99,321	105,614	111,907	118,202	124,497	40	200
	Min		10,207	12,825	15,442	18,060	20,678	23,297	25,915	28,533	31,152	33,771	36,390	39,009	41,628	44,248	46,867	49,487	52,107		
	End		16,223	20,494	24,766	29,038	33,310	37,584	41,857	46,131	50,406	54,681	58,957	63,234	67,510	71,788	76,066	80,344	84,623		
GC3x12	Start	Outboard	23,904	30,132	36,361	42,591	48,821	55,052	61,283	67,515	73,748	79,981	86,215							40	142
	Min		14,882	18,679	22,476	26,274	30,071	33,869	37,667	41,465	45,264	49,063	52,861								
	End		34,869	43,954	53,040	62,127	71,216	80,305	89,394	98,485	107,577	116,670	125,763								
GC3x12	Start	Inboard	34,695	43,740	52,785	61,831	70,878	79,926	88,975	98,024	107,075	116,126	125,179							40	142
	Min		14,752	18,517	22,283	26,048	29,814	33,579	37,345	41,111	44,878	48,644	52,411								
	End		23,583	29,731	35,879	42,028	48,177	54,327	60,478	66,629	72,781	78,934	85,087								
GC3x14	Start	Outboard	29,161	36,732	44,304	51,877	59,451	67,025	74,600	82,176	89,752									40	117
	Min		18,118	22,734	27,349	31,964	36,580	41,196	45,812	50,429	55,045										
	End		42,537	53,582	64,627	75,674	86,722	97,770	108,820	119,871	130,923										
GC3x14	Start	Inboard	42,410	53,425	64,442	75,459	86,477	97,497	108,518	119,539	130,562									40	117
	Min		17,996	22,580	27,165	31,750	36,335	40,921	45,507	50,093	54,679										
	End		28,827	36,314	43,802	51,291	58,781	66,271	73,762	81,253	88,746										
GC3x16	Start	Outboard	38,700	48,694	58,689	68,684	78,681	88,678												40	90
	Min		23,969	30,059	36,148	42,238	48,328	54,418													
	End		56,453	71,031	85,610	100,191	114,773	129,356													
GC3x16	Start	Inboard	56,409	70,979	85,550	100,123	114,697	129,271												40	90
	Min		23,858	29,920	35,982	42,044	48,106	54,169													
	End		38,342	48,246	58,150	68,056	77,962	87,869													
GC3x20	Start	Outboard	61,779	77,617																40	56
	Min		38,101	47,746																	
	End		90,118	113,221																	
GC3x20	Start	Inboard	90,276	113,422																40	56
	Min		38,018	47,643																	
	End		61,363	77,096																	

Torque - Pneumatic

Double-Acting Actuator

Actuator Model	Imperial Unit	Stroke Direction	Operating Pressure, psig																MinOP psig	MOP psig	
			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC4x12	Start	Outboard	29,055	36,631	44,209	51,787	59,366	66,945	74,526	82,107	89,689	97,272	104,855	112,439	120,024	127,610	135,197	142,784	150,372	40	200
			18,009	22,606	27,203	31,801	36,399	40,996	45,595	50,193	54,792	59,390	63,989	68,589	73,188	77,788	82,388	86,988	91,589		
			41,848	52,761	63,675	74,590	85,506	96,424	107,342	118,262	129,182	140,104	151,027	161,951	172,876	183,802	194,729	205,657	216,587		
GC4x12	Min	Inboard	41,453	52,270	63,088	73,907	84,728	95,549	106,371	117,195	128,020	138,846	149,673	160,501	171,330	182,160	192,991	203,824	214,658	40	200
			17,771	22,309	26,847	31,385	35,923	40,462	45,001	49,540	54,079	58,618	63,158	67,698	72,238	76,779	81,319	85,860	90,401		
			28,514	35,955	43,396	50,838	58,281	65,725	73,169	80,614	88,060	95,507	102,954	110,402	117,851	125,301	132,752	140,203	147,655		
GC4x14	Start	Outboard	35,471	44,686	53,903	63,121	72,339	81,559	90,779	100,000	109,222	118,445	127,669	136,893	146,119	155,345	164,572	173,800	183,029	40	194
			21,941	27,531	33,122	38,713	44,304	49,896	55,487	61,080	66,672	72,264	77,857	83,450	89,044	94,637	100,231	105,826	111,420		
			51,090	64,363	77,639	90,915	104,193	117,472	130,752	144,034	157,316	170,600	183,886	197,172	210,460	223,749	237,040	250,331	263,624		
GC4x14	Min	Inboard	50,753	63,946	77,140	90,336	103,533	116,731	129,930	143,131	156,333	169,536	182,741	195,946	209,153	222,362	235,571	248,782	261,994	40	194
			21,711	27,244	32,778	38,311	43,845	49,380	54,914	60,449	65,984	71,520	77,055	82,591	88,127	93,664	99,201	104,738	110,275		
			34,911	43,986	53,062	62,139	71,216	80,295	89,374	98,455	107,536	116,618	125,700	134,784	143,869	152,954	162,041	171,128	180,216		
GC4x16	Start	Outboard	47,114	59,287	71,460	83,634	95,809	107,985	120,162	132,340	144,520	156,700	168,881	181,063						40	147
			29,047	36,428	43,809	51,190	58,572	65,954	73,336	80,719	88,102	95,485	102,868	110,252							
			67,861	85,393	102,926	120,461	137,997	155,535	173,074	190,615	208,157	225,700	243,245	260,792							
GC4x16	Min	Inboard	67,632	85,110	102,590	120,071	137,554	155,038	172,524	190,011	207,500	224,990	242,481	259,974						40	147
			28,833	36,160	43,488	50,816	58,145	65,473	72,802	80,132	87,461	94,791	102,121	109,452							
			46,521	58,544	70,568	82,593	94,618	106,645	118,673	130,702	142,731	154,762	166,794	178,826							
GC4x20	Start	Outboard	75,277	94,581	113,887	133,194	152,502	171,811												40	92
			46,210	57,909	69,608	81,308	93,008	104,708													
			108,425	136,229	164,036	191,844	219,654	247,465													
GC4x20	Min	Inboard	108,455	136,272	164,091	191,911	219,733	247,557												40	92
			46,033	57,688	69,343	80,999	92,655	104,312													
			74,602	93,736	112,872	132,008	151,146	170,285													
GC4x24	Start	Outboard	110,077	138,148	166,219															40	63
			67,346	84,350	101,353																
			158,549	198,979	239,411																
GC4x24	Min	Inboard	158,900	199,423	239,948															40	63
			67,215	84,186	101,157																
			109,301	137,176	165,051																
GC4x28	Start	Outboard	155,008																	40	45
			94,949																		
			223,263																		
GC4x28	Min	Inboard	224,029																	40	45
			94,878																		
			154,101																		

Torque - Pneumatic

Double-Acting Actuator

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			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC5x16		Start	60,789	76,472	92,156	107,841	123,527	139,215	154,904	170,593	186,284	201,976	217,669	233,363	249,058	264,754	280,451	296,150	311,849	40	200
		Min	37,428	46,932	56,436	65,940	75,445	84,950	94,456	103,961	113,468	122,974	132,481	141,988	151,496	161,003	170,511	180,020	189,529		
		End	87,579	110,174	132,770	155,368	177,967	200,569	223,171	245,775	268,381	290,989	313,598	336,208	358,820	381,434	404,050	426,666	449,285		
GC5x16		Start	86,591	108,943	131,297	153,652	176,009	198,368	220,728	243,089	265,453	287,817	310,184	332,552	354,922	377,293	399,666	422,040	444,416	40	200
		Min	36,864	46,227	55,590	64,954	74,318	83,683	93,048	102,413	111,778	121,144	130,510	139,877	149,243	158,611	167,978	177,346	186,714		
		End	59,593	74,976	90,361	105,746	121,132	136,520	151,908	167,298	182,688	198,080	213,473	228,867	244,262	259,659	275,056	290,454	305,854		
GC5x20		Start	97,219	122,128	147,038	171,950	196,863	221,777	246,693	271,610	296,529	321,449	346,370	371,293	396,218	421,143				40	164
		Min	59,623	74,711	89,800	104,889	119,979	135,069	150,159	165,250	180,341	195,433	210,525	225,618	240,711	255,805					
		End	140,064	175,951	211,839	247,730	283,622	319,517	355,413	391,312	427,212	463,115	499,020	534,926	570,835	606,746					
GC5x20		Start	139,398	175,124	210,851	246,580	282,312	318,045	353,781	389,518	425,258	460,999	496,743	532,489	568,236	603,986				40	164
		Min	59,102	74,061	89,020	103,980	118,939	133,900	148,860	163,822	178,783	193,745	208,708	223,671	238,634	253,598					
		End	95,936	120,523	145,111	169,700	194,291	218,883	243,477	268,072	292,669	317,267	341,866	366,467	391,069	415,672					
GC5x24		Start	142,234	178,482	214,731	250,982	287,235	323,489	359,744	396,001										40	112
		Min	86,957	108,905	130,853	152,802	174,751	196,701	218,651	240,602											
		End	204,918	257,141	309,366	361,593	413,822	466,054	518,288	570,524											
GC5x24		Start	204,650	256,812	308,975	361,142	413,310	465,481	517,654	569,829										40	112
		Min	86,491	108,322	130,154	151,986	173,819	195,653	217,487	239,321											
		End	140,843	176,742	212,642	248,543	284,446	320,351	356,257	392,165											
GC5x28		Start	200,354	251,498	302,644	353,794	404,947													40	80
		Min	122,654	153,636	184,620	215,604	246,589														
		End	288,652	362,335	436,023	509,715	583,412														
GC5x28		Start	288,897	362,651	436,410	510,172	583,940													40	80
		Min	122,257	153,141	184,026	214,912	245,798														
		End	198,823	249,582	300,344	351,108	401,876														
GC5x32		Start	262,757	329,649	396,545															40	61
		Min	160,600	201,114	241,629																
		End	378,557	474,929	571,307																
GC5x32		Start	379,353	475,935	572,523															40	61
		Min	160,278	200,712	241,147																
		End	261,077	327,546	394,019																
GC5x36		Start	333,575	418,319																40	48
		Min	203,635	254,953																	
		End	480,585	602,677																	
GC5x36		Start	482,007	604,467																40	48
		Min	203,397	254,656																	
		End	331,724	416,003																	

Torque - Pneumatic

Double-Acting Actuator

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			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC7x20	Start	Outboard	118,589	149,058	179,528	210,000	240,475	270,952	301,430	331,911	362,394	392,879	423,367	453,856	484,347	514,841	545,337	575,834	606,334	40	200
			72,886	91,355	109,826	128,297	146,768	165,240	183,713	202,187	220,661	239,136	257,611	276,087	294,564	313,041	331,519	349,998	368,477		
			170,814	214,700	258,589	302,481	346,377	390,275	434,176	478,080	521,987	565,898	609,811	653,727	697,647	741,569	785,495	829,423	873,355		
GC7x20	Min	Inboard	169,548	213,126	256,706	300,289	343,876	387,465	431,057	474,653	518,251	561,853	605,458	649,065	692,676	736,290	779,907	823,527	867,150	40	200
			72,044	90,304	108,564	126,825	145,087	163,349	181,612	199,876	218,140	236,405	254,670	272,937	291,203	309,471	327,739	346,008	364,277		
			116,664	146,649	176,636	206,625	236,616	266,609	296,604	326,602	356,601	386,603	416,607	446,612	476,620	506,630	536,642	566,657	596,673		
GC7x24	Start	Outboard	173,864	218,261	262,661	307,063	351,467	395,874	440,283	484,694	529,108	573,523	617,942	662,362	706,785	751,210	795,638			40	178
			106,471	133,371	160,271	187,172	214,073	240,976	267,879	294,782	321,687	348,592	375,498	402,404	429,311	456,219	483,128				
			250,431	314,380	378,333	442,289	506,248	570,210	634,176	698,146	762,119	826,095	890,074	954,057	1,018,043	1,082,032	1,146,025				
GC7x24	Min	Inboard	249,680	313,450	377,224	441,001	504,781	568,565	632,352	696,142	759,936	823,733	887,534	951,338	1,015,145	1,078,956	1,142,770			40	178
			105,698	132,405	159,113	185,821	212,530	239,240	265,950	292,661	319,373	346,086	372,799	399,513	426,227	452,943	479,659				
			171,801	215,680	259,562	303,446	347,332	391,221	435,112	479,005	522,901	566,799	610,699	654,601	698,506	742,413	786,323				
GC7x28	Start	Outboard	245,298	307,998	370,702	433,411	496,123	558,839	621,560	684,284	747,013	809,746								40	126
			150,352	188,356	226,361	264,367	302,375	340,384	378,394	416,405	454,418	492,432									
			353,324	443,636	533,954	624,278	714,608	804,944	895,285	985,633	1,075,986	1,166,345									
GC7x28	Min	Inboard	353,239	443,543	533,852	624,167	714,489	804,816	895,149	985,489	1,075,834	1,166,185								40	126
			149,669	187,503	225,339	263,175	301,013	338,852	376,692	414,534	452,377	490,221									
			243,058	305,195	367,336	429,480	491,629	553,782	615,939	678,100	740,265	802,435									
GC7x32	Start	Outboard	321,965	404,014	486,067	568,124	650,186	732,253	814,325											40	96
			196,989	246,707	296,426	346,147	395,870	445,593	495,319												
			463,754	581,935	700,123	818,317	936,518	1,054,726	1,172,941												
GC7x32	Min	Inboard	464,383	582,736	701,096	819,462	937,835	1,056,215	1,174,601											40	96
			196,402	245,974	295,548	345,123	394,700	444,278	493,857												
			319,535	400,972	482,414	563,860	645,310	726,766	808,226												
GC7x36	Start	Outboard	408,971	512,951	616,938	720,929														40	76
			249,879	312,875	375,872	438,871															
			589,075	738,848	888,628	1,038,415															
GC7x36	Min	Inboard	590,515	740,663	890,820	1,040,984														40	76
			249,401	312,278	375,157	438,037															
			406,324	509,640	612,960	716,285															
GC7x228	Start	Outboard	488,961	613,953	738,952															40	63
			299,714	375,475	451,238																
			704,293	884,328	1,064,375																
GC7x228	Min	Inboard	708,849	890,049	1,071,260															40	63
			300,330	376,246	452,164																
			487,748	612,429	737,118																

Torque - Pneumatic

Double-Acting Actuator

Actuator Model	Imperial Unit	Stroke Direction	Operating Pressure, psig																	MinOP psig	MOP psig
			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
			Air Torque Output, lbf-in																		
GC8x24	Start	Outboard	205,263	257,696	310,132	362,571	415,013	467,458	519,905	572,355	624,808	677,264	729,722	782,184	834,647	887,114	939,584	992,056	1,044,531	40	200
	Min		125,722	157,491	189,260	221,031	252,802	284,574	316,347	348,120	379,895	411,670	443,446	475,223	507,001	538,780	570,559	602,340	634,121		
	End		295,778	371,333	446,892	522,455	598,023	673,594	749,169	824,748	900,331	975,918	1,051,509	1,127,105	1,202,704	1,278,307	1,353,914	1,429,525	1,505,140		
GC8x24	Start	Inboard	293,404	368,375	443,351	518,331	593,315	668,302	743,294	818,290	893,290	968,294	1,043,301	1,118,313	1,193,329	1,268,349	1,343,373	1,418,400	1,493,432	40	200
	Min		124,210	155,602	186,994	218,387	249,781	281,176	312,571	343,968	375,365	406,763	438,162	469,561	500,962	532,363	563,766	595,169	626,573		
	End		201,908	253,501	305,096	356,694	408,295	459,898	511,505	563,114	614,725	666,340	717,957	769,577	821,200	872,826	924,454	976,085	1,027,719		
GC8x28	Start	Outboard	289,843	363,954	438,070	512,191	586,317	660,448	734,584	808,725	882,871	957,021	1,031,177	1,105,337	1,179,502	1,253,672	1,327,847			40	172
	Min		177,689	222,610	267,533	312,457	357,383	402,310	447,239	492,169	537,101	582,034	626,969	671,905	716,843	761,782	806,723				
	End		417,655	524,447	631,247	738,053	844,867	951,688	1,058,515	1,165,350	1,272,192	1,379,041	1,485,897	1,592,760	1,699,630	1,806,507	1,913,391				
GC8x28	Start	Inboard	416,032	522,433	628,842	735,257	841,680	948,110	1,054,546	1,160,990	1,267,441	1,373,899	1,480,365	1,586,837	1,693,316	1,799,803	1,906,296			40	172
	Min		176,277	220,846	265,417	309,990	354,564	399,139	443,716	488,294	532,874	577,455	622,038	666,623	711,208	755,796	800,384				
	End		286,296	359,517	432,743	505,974	579,210	652,450	725,696	798,946	872,201	945,461	1,018,726	1,091,996	1,165,271	1,238,550	1,311,835				
GC8x32	Start	Outboard	380,656	477,686	574,721	671,762	768,809	865,861	962,918	1,059,981	1,157,050	1,254,124								40	131
	Min		232,931	291,728	350,527	409,327	468,129	526,933	585,738	644,545	703,354	762,165									
	End		548,515	688,332	828,157	967,991	1,107,832	1,247,681	1,387,538	1,527,404	1,667,277	1,807,158									
GC8x32	Start	Inboard	547,698	687,328	826,965	966,611	1,106,265	1,245,926	1,385,596	1,525,274	1,664,960	1,804,654								40	131
	Min		231,626	290,098	348,571	407,046	465,523	524,002	582,482	640,964	699,447	757,933									
	End		376,903	472,991	569,084	665,182	761,286	857,396	953,511	1,049,631	1,145,757	1,241,889									
GC8x36	Start	Outboard	483,715	606,725	729,740	852,762	975,790	1,098,825	1,221,865											40	103
	Min		295,580	370,105	444,631	519,159	593,689	668,221	742,755												
	End		697,020	874,273	1,051,535	1,228,806	1,406,087	1,583,376	1,760,674												
GC8x36	Start	Inboard	697,118	874,414	1,051,719	1,229,034	1,406,357	1,583,689	1,761,030											40	103
	Min		294,396	368,625	442,857	517,090	591,325	665,562	739,801												
	End		479,728	601,736	723,750	845,771	967,797	1,089,830	1,211,869												
GC8x40	Start	Outboard	599,019	751,070	903,127	1,055,191	1,207,262													40	84
	Min		365,637	457,740	549,846	641,954	734,063														
	End		863,170	1,082,270	1,301,381	1,520,501	1,739,631														
GC8x40	Start	Inboard	864,291	1,083,693	1,303,104	1,522,525	1,741,956													40	84
	Min		364,587	456,430	548,274	640,121	731,970														
	End		594,770	745,753	896,743	1,047,739	1,198,743														
GC8x232	Start	Outboard	758,419	951,755	1,145,102															40	65
	Min		464,111	581,268	698,427																
	End		1,092,860	1,371,452	1,650,060																
GC8x232	Start	Inboard	1,099,592	1,379,900	1,660,225															40	65
	Min		465,006	582,388	699,773																
	End		756,694	949,591	1,142,498																
GC8x236	Start	Outboard	964,536	1,209,832																40	52
	Min		589,410	738,021																	
	End		1,389,870	1,743,334																	
GC8x236	Start	Inboard	1,398,432	1,754,073																40	52
	Min		590,546	739,443																	
	End		962,343	1,207,081																	

Torque - Pneumatic

Double-Acting Actuator

Actuator Model	Imperial Unit	Stroke Direction	Operating Pressure,psig																MinOP psig	MOP psig	
			40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			200
			Air Torque Output, lbf-in																		
GC10x28	Start	Outboard	378,432	475,262	572,100	668,943	765,794	862,651	959,514	1,056,384	1,153,260	1,250,143	1,347,033	1,443,929	1,540,832	1,637,741	1,734,656	1,831,578	1,928,507	40	200
			232,174	290,889	349,607	408,327	467,049	525,773	584,499	643,227	701,956	760,688	819,422	878,158	936,895	995,635	1,054,376	1,113,120	1,171,866		
			545,264	684,783	824,311	963,849	1,103,396	1,242,952	1,382,518	1,522,094	1,661,678	1,801,273	1,940,876	2,080,489	2,220,111	2,359,743	2,499,384	2,639,035	2,778,695		
GC10x28	Start	Inboard	540,850	679,285	817,729	956,182	1,094,645	1,233,118	1,371,599	1,510,091	1,648,592	1,787,102	1,925,622	2,064,151	2,202,690	2,341,238	2,479,796	2,618,363	2,756,939	40	200
			229,397	287,421	345,446	403,473	461,502	519,533	577,566	635,601	693,638	751,677	809,718	867,761	925,806	983,853	1,041,902	1,099,953	1,158,006		
			372,263	467,547	562,837	658,133	753,436	848,746	944,062	1,039,384	1,134,714	1,230,049	1,325,391	1,420,740	1,516,095	1,611,457	1,706,825	1,802,200	1,897,581		
GC10x32	Start	Outboard	497,709	624,642	751,582	878,529	1,005,484	1,132,446	1,259,415	1,386,392	1,513,377	1,640,368	1,767,367	1,894,374	2,021,388	2,148,409	2,275,438	2,402,474	2,529,517	40	200
			304,757	381,704	458,653	535,605	612,559	689,515	766,473	843,434	920,396	997,361	1,074,329	1,151,298	1,228,270	1,305,244	1,382,220	1,459,199	1,536,179		
			717,126	900,017	1,082,919	1,265,831	1,448,754	1,631,688	1,814,632	1,997,587	2,180,553	2,363,529	2,546,516	2,729,514	2,912,522	3,095,541	3,278,571	3,461,611	3,644,662		
GC10x32	Start	Inboard	713,746	895,813	1,077,892	1,259,981	1,442,081	1,624,192	1,806,313	1,988,445	2,170,588	2,352,742	2,534,906	2,717,081	2,899,267	3,081,464	3,263,671	3,445,889	3,628,117	40	200
			302,119	378,408	454,699	530,993	607,289	683,587	759,887	836,190	912,495	988,802	1,065,111	1,141,423	1,217,736	1,294,053	1,370,371	1,446,691	1,523,014		
			491,266	616,582	741,905	867,236	992,574	1,117,919	1,243,272	1,368,633	1,494,000	1,619,375	1,744,757	1,870,147	1,995,544	2,120,949	2,246,361	2,371,780	2,497,207		
GC10x36	Start	Outboard	633,069	794,124	955,187	1,116,259	1,277,339	1,438,427	1,599,523	1,760,627	1,921,740	2,082,861	2,243,990	2,405,128	2,566,274					40	158
			387,071	484,683	582,296	679,913	777,531	875,153	972,777	1,070,403	1,168,032	1,265,663	1,363,297	1,460,933	1,558,572						
			912,160	1,144,216	1,376,284	1,608,365	1,840,457	2,072,561	2,304,677	2,536,805	2,768,945	3,001,096	3,233,260	3,465,436	3,697,623						
GC10x36	Start	Inboard	909,953	1,141,482	1,373,023	1,604,576	1,836,141	2,067,718	2,299,307	2,530,908	2,762,521	2,994,145	3,225,782	3,457,431	3,689,092					40	158
			384,590	481,583	578,578	675,576	772,576	869,579	966,584	1,063,592	1,160,602	1,257,614	1,354,630	1,451,647	1,548,667						
			626,314	785,674	945,042	1,104,418	1,263,803	1,423,195	1,582,596	1,742,005	1,901,423	2,060,848	2,220,282	2,379,725	2,539,175						
GC10x40	Start	Outboard	784,513	983,711	1,182,918	1,382,134	1,581,360	1,780,594	1,979,838	2,179,091	2,378,353	2,577,624								40	128
			479,118	599,827	720,538	841,252	961,968	1,082,688	1,203,410	1,324,135	1,444,863	1,565,593									
			1,130,367	1,417,382	1,704,410	1,991,452	2,278,507	2,565,574	2,852,655	3,139,749	3,426,857	3,713,977									
GC10x40	Start	Inboard	1,129,474	1,416,292	1,703,124	1,989,968	2,276,827	2,563,698	2,850,583	3,137,480	3,424,391	3,711,316								40	128
			476,813	596,947	717,083	837,222	957,364	1,077,509	1,197,657	1,317,807	1,437,961	1,558,116									
			777,408	974,823	1,172,248	1,369,681	1,567,123	1,764,575	1,962,035	2,159,505	2,356,984	2,554,471									
GC10x232	Start	Outboard	990,110	1,242,647	1,495,200	1,747,768	2,000,350	2,252,947	2,505,559											40	100
			606,301	759,392	912,488	1,065,588	1,218,692	1,371,802	1,524,915												
			1,426,602	1,790,472	2,154,363	2,518,276	2,882,210	3,246,165	3,610,141												
GC10x232	Start	Inboard	1,435,186	1,801,246	2,167,327	2,533,429	2,899,553	3,265,698	3,631,865											40	100
			607,456	760,839	914,227	1,067,618	1,221,015	1,374,416	1,527,821												
			987,828	1,239,784	1,491,755	1,743,741	1,995,741	2,247,756	2,499,786												
GC10x236	Start	Outboard	1,260,830	1,581,612	1,902,412	2,223,227	2,544,060													40	79
			770,930	965,350	1,159,774	1,354,204	1,548,638														
			1,816,670	2,278,871	2,741,095	3,203,343	3,665,615														
GC10x236	Start	Inboard	1,827,602	2,292,583	2,757,589	3,222,619	3,687,673													40	79
			772,399	967,189	1,161,984	1,356,784	1,551,589														
			1,257,925	1,577,968	1,898,028	2,218,105	2,538,198														
GC10x240	Start	Outboard	1,563,716	1,960,785	2,357,872															40	64
			955,024	1,195,638	1,436,257																
			2,253,085	2,825,203	3,397,347																
GC10x240	Start	Inboard	2,266,642	2,842,203	3,417,790															40	64
			956,844	1,197,916	1,438,994																
			1,560,113	1,956,268	2,352,440																