

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg		
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC01x01.5		Outboard	Start	183	224	327	429	531	632	732	832	931	1,129	1,324	1,518	1,711	1,903	2,142	2,380	2,619	2,858	3,098	3,340	27.6	344.7
			Min	129	154	217	279	341	403	465	526	587	648	709	770	831	892	953	1,014	1,075	1,136	1,197	1,258		
			End	263	323	471	618	765	910	1,055	1,198	1,341	1,484	1,627	1,770	1,913	2,056	2,199	2,342	2,485	2,628	2,771	2,914		
GC01x01.5		Inboard	Start	130	170	267	363	458	553	646	739	831	1,013	1,193	1,370	1,546	1,720	1,937	2,153	2,369	2,586	2,804	3,025	27.6	344.7
			Min	73	90	131	172	213	253	293	333	373	452	531	608	686	763	858	954	1,050	1,145	1,242	1,339		
			End	90	117	184	251	317	382	447	511	574	700	824	946	1,068	1,188	1,338	1,487	1,636	1,786	1,937	2,090		
GC01x01.7		Outboard	Start	268	324	465	605	744	883	1,022	1,160	1,297	1,571	1,842	2,113	2,382	2,651	2,986	3,320	3,655				27.6	271.6
			Min	183	217	303	388	473	558	643	727	811	979	1,147	1,313	1,480	1,646	1,853	2,060	2,267					
			End	385	467	669	871	1,072	1,272	1,472	1,670	1,868	2,262	2,653	3,043	3,431	3,818	4,300	4,782	5,264					
GC01x01.7		Inboard	Start	212	267	403	538	672	806	939	1,071	1,202	1,463	1,721	1,977	2,232	2,486	2,802	3,117	3,432				27.6	271.6
			Min	110	133	191	248	305	362	419	475	532	644	755	866	976	1,086	1,224	1,361	1,498					
			End	146	184	278	372	465	557	648	740	830	1,010	1,189	1,366	1,542	1,717	1,935	2,153	2,371					
GC01x02.0		Outboard	Start	370	444	628	811	993	1,174	1,354	1,534	1,713	2,069	2,423	2,775	3,126	3,475							27.6	207.9
			Min	247	292	404	515	626	737	847	958	1,067	1,286	1,504	1,722	1,938	2,155								
			End	533	639	904	1,167	1,430	1,690	1,950	2,209	2,467	2,980	3,490	3,997	4,502	5,005								
GC01x02.0		Inboard	Start	360	439	638	834	1,030	1,224	1,418	1,610	1,801	2,181	2,558	2,932	3,304	3,674							27.6	207.9
			Min	174	208	292	376	459	542	624	706	788	951	1,114	1,275	1,436	1,597								
			End	249	304	440	576	712	846	979	1,112	1,244	1,507	1,767	2,025	2,282	2,538								
GC01x02.2		Outboard	Start	489	583	816	1,048	1,279	1,509	1,738	1,967	2,194	2,648	3,099	3,548									27.6	164.3
			Min	321	378	520	661	802	942	1,082	1,222	1,361	1,640	1,917	2,193										
			End	705	839	1,175	1,509	1,841	2,173	2,503	2,832	3,160	3,813	4,462	5,109										
GC01x02.2		Inboard	Start	532	640	909	1,177	1,443	1,708	1,972	2,235	2,497	3,017	3,534	4,047									27.6	164.3
			Min	249	295	408	522	635	748	860	972	1,084	1,306	1,528	1,749										
			End	368	442	628	813	997	1,180	1,362	1,544	1,725	2,084	2,441	2,796										
GC01x02.5		Outboard	Start	623	739	1,027	1,314	1,599	1,884	2,168	2,451	2,733	3,296											27.6	133.1
			Min	404	474	649	824	998	1,172	1,345	1,518	1,691	2,035												
			End	898	1,064	1,479	1,892	2,303	2,713	3,122	3,530	3,936	4,746												
GC01x02.5		Inboard	Start	725	865	1,213	1,560	1,906	2,249	2,592	2,933	3,274	3,951											27.6	133.1
			Min	332	391	538	685	832	978	1,123	1,269	1,414	1,703												
			End	501	598	838	1,078	1,316	1,554	1,791	2,026	2,262	2,729												
GC01x03.0		Outboard	Start	937	1,103	1,518	1,932	2,345	2,757	3,167	3,577													27.6	92.4
			Min	598	699	951	1,203	1,454	1,705	1,955	2,205														
			End	1,349	1,589	2,187	2,783	3,377	3,970	4,561	5,151														
GC01x03.0		Inboard	Start	1,177	1,391	1,923	2,453	2,982	3,508	4,034	4,558													27.6	92.4
			Min	526	616	841	1,065	1,289	1,513	1,735	1,958														
			End	813	961	1,328	1,695	2,060	2,424	2,787	3,149														
GC01x03.5		Outboard	Start	1,310	1,537	2,103	2,667	3,230	3,791															27.6	67.9
			Min	828	966	1,309	1,652	1,994	2,336																
			End	1,887	2,213	3,028	3,841	4,651	5,460																
GC01x03.5		Inboard	Start	1,716	2,017	2,766	3,513	4,259	5,002															27.6	67.9
			Min	757	884	1,200	1,516	1,832	2,146																
			End	1,186	1,393	1,911	2,427	2,942	3,456																

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			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC2x01.7		Outboard	Start	324	392	563	732	901	1,069	1,237	1,404	1,570	1,901	2,230	2,558	2,884	3,209	3,615	4,020	4,424	4,830	5,237		27.6	332.3
			Min	221	263	366	470	573	675	778	880	982	1,185	1,388	1,590	1,791	1,992	2,243	2,493	2,744	2,994	3,246			
			End	466	565	810	1,055	1,298	1,540	1,781	2,022	2,261	2,738	3,212	3,683	4,153	4,621	5,205	5,788	6,371	6,955	7,541			
GC2x01.7		Inboard	Start	256	323	487	651	814	975	1,136	1,296	1,454	1,770	2,082	2,393	2,701	3,008	3,390	3,772	4,153	4,536	4,920		27.6	332.3
			Min	133	161	231	300	370	438	507	575	644	779	914	1,048	1,182	1,315	1,481	1,647	1,813	1,979	2,146			
			End	177	223	337	450	562	674	785	896	1,005	1,223	1,440	1,654	1,867	2,079	2,344	2,607	2,871	3,135	3,401			
GC2x02.0		Outboard	Start	448	537	760	981	1,202	1,421	1,639	1,857	2,074	2,505	2,934	3,360	3,784	4,207	4,735	5,261					27.6	254.5
			Min	299	353	489	624	758	892	1,026	1,159	1,292	1,557	1,821	2,084	2,346	2,608	2,935	3,261						
			End	645	774	1,094	1,413	1,730	2,046	2,361	2,674	2,986	3,607	4,224	4,838	5,449	6,058	6,818	7,576						
GC2x02.0		Inboard	Start	435	532	771	1,010	1,246	1,482	1,716	1,948	2,180	2,639	3,095	3,548	3,998	4,446	5,003	5,560					27.6	254.5
			Min	211	252	353	454	555	655	755	855	954	1,151	1,348	1,543	1,738	1,932	2,174	2,416						
			End	301	368	533	698	862	1,024	1,186	1,347	1,507	1,825	2,140	2,452	2,763	3,073	3,459	3,843						
GC2x02.2		Outboard	Start	592	706	988	1,268	1,548	1,827	2,104	2,381	2,656	3,205	3,751	4,295	4,836	5,376							27.6	201.1
			Min	389	457	629	800	970	1,140	1,310	1,479	1,648	1,985	2,320	2,655	2,988	3,321								
			End	853	1,016	1,422	1,826	2,229	2,630	3,030	3,428	3,825	4,615	5,402	6,184	6,964	7,741								
GC2x02.2		Inboard	Start	644	775	1,100	1,424	1,747	2,067	2,387	2,704	3,021	3,651	4,276	4,898	5,517	6,133							27.6	201.1
			Min	301	356	494	631	768	905	1,041	1,176	1,311	1,581	1,849	2,116	2,383	2,649								
			End	445	535	761	985	1,207	1,429	1,650	1,870	2,088	2,524	2,956	3,386	3,814	4,240								
GC2x02.5		Outboard	Start	755	894	1,243	1,590	1,936	2,281	2,625	2,967	3,309	3,990	4,667	5,342									27.6	162.9
			Min	489	574	786	997	1,208	1,418	1,628	1,837	2,046	2,463	2,879	3,294										
			End	1,087	1,288	1,790	2,290	2,788	3,285	3,779	4,273	4,765	5,745	6,721	7,692										
GC2x02.5		Inboard	Start	878	1,047	1,468	1,888	2,306	2,722	3,137	3,550	3,961	4,781	5,596	6,407									27.6	162.9
			Min	402	473	652	829	1,007	1,183	1,360	1,535	1,711	2,061	2,409	2,756										
			End	607	724	1,015	1,305	1,594	1,882	2,168	2,454	2,738	3,305	3,868	4,429										
GC2x03.0		Outboard	Start	1,134	1,335	1,838	2,339	2,839	3,337	3,834	4,330	4,825												27.6	113.1
			Min	724	846	1,151	1,456	1,760	2,064	2,367	2,669	2,971													
			End	1,633	1,923	2,647	3,368	4,088	4,806	5,521	6,235	6,948													
GC2x03.0		Inboard	Start	1,425	1,683	2,327	2,968	3,608	4,246	4,881	5,516	6,148												27.6	113.1
			Min	637	746	1,018	1,289	1,560	1,831	2,100	2,369	2,638													
			End	985	1,163	1,608	2,052	2,494	2,935	3,374	3,813	4,250													
GC2x03.5		Outboard	Start	1,586	1,860	2,545	3,228	3,910	4,590	5,268														27.6	83.1
			Min	1,002	1,169	1,585	2,000	2,414	2,828	3,241															
			End	2,284	2,679	3,665	4,649	5,630	6,609	7,586															
GC2x03.5		Inboard	Start	2,077	2,440	3,347	4,252	5,154	6,053	6,951														27.6	83.1
			Min	917	1,070	1,453	1,835	2,217	2,597	2,978															
			End	1,436	1,687	2,314	2,939	3,562	4,184	4,805															
GC2x04.0		Outboard	Start	2,111	2,470	3,365	4,258	5,150																27.6	63.6
			Min	1,325	1,543	2,086	2,629	3,170																	
			End	3,040	3,557	4,846	6,132	7,416																	
GC2x04.0		Inboard	Start	2,835	3,319	4,530	5,737	6,942																27.6	63.6
			Min	1,241	1,445	1,956	2,466	2,975																	
			End	1,959	2,295	3,131	3,966	4,799																	

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Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg		
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC3x02.0		Outboard	Start	529	637	906	1,174	1,441	1,706	1,970	2,233	2,495	3,016	3,533	4,047	4,559	5,069	5,705	6,340	6,975	7,611	8,250	8,891	27.6	344.7
			Min	359	425	589	753	917	1,080	1,242	1,405	1,566	1,888	2,209	2,529	2,847	3,165	3,561	3,957	4,354	4,750	5,148	5,546		
			End	772	929	1,322	1,713	2,102	2,488	2,874	3,257	3,639	4,399	5,153	5,904	6,650	7,395	8,322	9,248	10,175	11,102	12,034	12,969		
GC3x02.0		Inboard	Start	368	464	702	938	1,171	1,403	1,634	1,862	2,089	2,539	2,983	3,424	3,860	4,295	4,835	5,373	5,912	6,452	6,996	7,544	27.6	344.7
			Min	191	231	331	430	529	628	726	823	920	1,113	1,305	1,495	1,685	1,873	2,108	2,343	2,578	2,813	3,049	3,286		
			End	252	317	479	640	800	958	1,116	1,272	1,427	1,734	2,037	2,338	2,636	2,933	3,302	3,670	4,037	4,407	4,778	5,152		
GC3x02.2		Outboard	Start	704	841	1,182	1,522	1,860	2,197	2,533	2,867	3,200	3,864	4,523	5,179	5,833	6,485	7,298	8,109	8,921	9,734			27.6	289.0
			Min	468	551	760	968	1,175	1,382	1,588	1,794	2,000	2,409	2,817	3,223	3,629	4,033	4,538	5,043	5,547	6,053				
			End	1,027	1,226	1,724	2,220	2,713	3,205	3,694	4,182	4,668	5,636	6,598	7,555	8,509	9,459	10,645	11,829	13,013	14,199				
GC3x02.2		Inboard	Start	624	762	1,105	1,446	1,785	2,121	2,456	2,789	3,121	3,779	4,431	5,079	5,723	6,364	7,163	7,960	8,757	9,556			27.6	289.0
			Min	300	358	502	646	789	931	1,073	1,214	1,355	1,636	1,915	2,193	2,469	2,745	3,089	3,433	3,776	4,120				
			End	426	520	755	988	1,219	1,449	1,677	1,905	2,131	2,581	3,026	3,469	3,908	4,346	4,892	5,436	5,981	6,526				
GC3x02.5		Outboard	Start	900	1,070	1,491	1,912	2,330	2,747	3,163	3,578	3,991	4,814	5,632	6,448	7,260	8,070	9,081						27.6	234.1
			Min	590	694	951	1,208	1,465	1,721	1,976	2,231	2,485	2,992	3,497	4,001	4,504	5,006	5,632							
			End	1,313	1,560	2,176	2,788	3,399	4,008	4,614	5,218	5,821	7,021	8,216	9,405	10,590	11,772	13,247							
GC3x02.5		Inboard	Start	911	1,096	1,557	2,015	2,471	2,925	3,377	3,827	4,275	5,166	6,051	6,932	7,808	8,680	9,768						27.6	234.1
			Min	423	501	694	887	1,079	1,271	1,462	1,652	1,842	2,220	2,597	2,973	3,347	3,720	4,186							
			End	622	749	1,063	1,376	1,688	1,998	2,306	2,614	2,920	3,528	4,133	4,734	5,332	5,928	6,671							
GC3x03.0		Outboard	Start	1,360	1,604	2,212	2,819	3,424	4,027	4,628	5,228	5,826	7,019	8,208	9,392									27.6	162.6
			Min	876	1,024	1,396	1,767	2,137	2,506	2,875	3,243	3,610	4,344	5,075	5,805										
			End	1,983	2,339	3,227	4,112	4,994	5,873	6,751	7,626	8,499	10,239	11,972	13,700										
GC3x03.0		Inboard	Start	1,581	1,876	2,609	3,340	4,067	4,793	5,516	6,237	6,955	8,387	9,811	11,230									27.6	162.6
			Min	709	832	1,140	1,447	1,753	2,058	2,363	2,667	2,970	3,576	4,179	4,781										
			End	1,080	1,281	1,782	2,281	2,778	3,273	3,767	4,259	4,750	5,727	6,700	7,669										
GC3x03.5		Outboard	Start	1,907	2,239	3,069	3,896	4,721	5,544	6,365	7,184	8,002	9,633											27.6	119.4
			Min	1,215	1,417	1,924	2,429	2,933	3,437	3,940	4,442	4,943	5,944												
			End	2,782	3,267	4,476	5,682	6,886	8,086	9,284	10,479	11,672	14,051												
GC3x03.5		Inboard	Start	2,382	2,805	3,861	4,913	5,963	7,009	8,053	9,095	10,134	12,206											27.6	119.4
			Min	1,049	1,227	1,669	2,111	2,552	2,992	3,431	3,869	4,307	5,181												
			End	1,626	1,915	2,636	3,355	4,072	4,787	5,500	6,211	6,921	8,335												
GC3x04.0		Outboard	Start	2,543	2,977	4,061	5,143	6,222	7,299	8,374	9,447													27.6	91.4
			Min	1,608	1,873	2,534	3,195	3,854	4,513	5,170	5,827														
			End	3,710	4,343	5,924	7,502	9,076	10,647	12,215	13,780														
GC3x04.0		Inboard	Start	3,311	3,883	5,311	6,735	8,156	9,574	10,988	12,400													27.6	91.4
			Min	1,443	1,683	2,281	2,879	3,475	4,070	4,665	5,259														
			End	2,261	2,652	3,627	4,599	5,570	6,538	7,504	8,468														
GC3x04.5		Outboard	Start	3,268	3,818	5,190	6,561	7,928	9,293															27.6	72.3
			Min	2,055	2,390	3,228	4,064	4,899	5,734																
			End	4,767	5,569	7,571	9,570	11,564	13,556																
GC3x04.5		Inboard	Start	4,369	5,110	6,960	8,805	10,647	12,486															27.6	72.3
			Min	1,892	2,202	2,977	3,751	4,523	5,295																
			End	2,984	3,490	4,753	6,013	7,271	8,527																

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			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350		
			Air Torque Output, Nm																							
GC4x02.5		Outboard	Start	1,081	1,287	1,801	2,313	2,822	3,328	3,833	4,336	4,837	5,833	6,823	7,808	8,789	9,766	10,985	12,202	13,419	14,638	15,861	17,089	27.6	344.7	
			Min	709	835	1,147	1,459	1,770	2,079	2,388	2,696	3,003	3,616	4,226	4,833	5,439	6,044	6,799	7,553	8,307	9,062	9,818	10,577			
			End	1,557	1,854	2,595	3,331	4,065	4,795	5,522	6,246	6,968	8,403	9,829	11,248	12,661	14,069	15,825	17,578	19,331	21,087	22,849	24,619			
GC4x02.5		Inboard	Start	858	1,048	1,520	1,988	2,452	2,914	3,372	3,828	4,281	5,179	6,068	6,950	7,825	8,696	9,780	10,861	11,943	13,027	14,117	15,215	27.6	344.7	
			Min	416	496	696	895	1,093	1,290	1,486	1,681	1,876	2,263	2,647	3,030	3,410	3,790	4,262	4,735	5,207	5,680	6,154	6,631			
			End	593	724	1,050	1,373	1,695	2,013	2,330	2,645	2,958	3,578	4,193	4,802	5,407	6,009	6,757	7,505	8,252	9,001	9,754	10,513			
GC4x03.0		Outboard	Start	1,641	1,939	2,681	3,420	4,156	4,890	5,622	6,351	7,078	8,526	9,967	11,403	12,833	14,260	16,040	17,819	19,597				27.6	267.8	
			Min	1,056	1,237	1,687	2,137	2,586	3,033	3,480	3,926	4,370	5,258	6,142	7,024	7,904	8,783	9,880	10,976	12,072						
			End	2,365	2,793	3,862	4,927	5,987	7,045	8,098	9,149	10,196	12,282	14,359	16,427	18,488	20,543	23,108	25,669	28,231						
GC4x03.0		Inboard	Start	1,666	1,988	2,788	3,585	4,378	5,166	5,952	6,734	7,513	9,063	10,603	12,134	13,659	15,178	17,071	18,962	20,854				27.6	267.8	
			Min	764	899	1,238	1,575	1,911	2,247	2,581	2,914	3,247	3,909	4,569	5,226	5,882	6,536	7,352	8,167	8,982						
			End	1,151	1,374	1,927	2,477	3,025	3,570	4,113	4,653	5,191	6,262	7,326	8,384	9,438	10,487	11,796	13,102	14,409						
GC4x03.5		Outboard	Start	2,310	2,715	3,726	4,735	5,740	6,742	7,742	8,739	9,734	11,717	13,692	15,661	17,624	19,584							27.6	196.7	
			Min	1,468	1,714	2,328	2,941	3,553	4,163	4,773	5,381	5,989	7,201	8,411	9,617	10,822	12,025									
			End	3,328	3,912	5,368	6,821	8,269	9,713	11,153	12,589	14,022	16,879	19,725	22,561	25,390	28,213									
GC4x03.5		Inboard	Start	2,631	3,109	4,298	5,483	6,664	7,840	9,013	10,182	11,348	13,669	15,980	18,282	20,575	22,863							27.6	196.7	
			Min	1,177	1,378	1,881	2,382	2,882	3,381	3,878	4,375	4,871	5,860	6,846	7,829	8,810	9,789									
			End	1,818	2,148	2,970	3,789	4,604	5,417	6,228	7,035	7,841	9,445	11,042	12,632	14,217	15,798									
GC4x04.0		Outboard	Start	3,086	3,616	4,939	6,257	7,573	8,885	10,195	11,502	12,806	15,407	17,999										27.6	150.6	
			Min	1,945	2,267	3,070	3,871	4,671	5,470	6,268	7,064	7,859	9,448	11,032												
			End	4,446	5,210	7,115	9,014	10,910	12,800	14,687	16,569	18,448	22,195	25,930												
GC4x04.0		Inboard	Start	3,752	4,409	6,047	7,680	9,309	10,933	12,553	14,168	15,780	18,994	22,196										27.6	150.6	
			Min	1,656	1,933	2,625	3,315	4,004	4,691	5,378	6,063	6,747	8,113	9,475												
			End	2,593	3,046	4,178	5,307	6,432	7,554	8,674	9,790	10,904	13,124	15,336												
GC4x04.5		Outboard	Start	3,967	4,638	6,311	7,979	9,643	11,303	12,959	14,611	16,259	19,547											27.6	119.0	
			Min	2,487	2,893	3,909	4,923	5,935	6,946	7,955	8,962	9,968	11,976													
			End	5,715	6,681	9,091	11,494	13,892	16,283	18,668	21,048	23,423	28,160													
GC4x04.5		Inboard	Start	5,023	5,883	8,027	10,165	12,296	14,421	16,541	18,655	20,764	24,969											27.6	119.0	
			Min	2,199	2,561	3,467	4,370	5,272	6,172	7,070	7,967	8,863	10,650													
			End	3,471	4,065	5,546	7,023	8,496	9,965	11,429	12,890	14,347	17,253													
GC4x05.0		Outboard	Start	4,959	5,788	7,855	9,916	11,974	14,026	16,074	18,119	20,159												27.6	96.4	
			Min	3,095	3,597	4,852	6,105	7,356	8,604	9,852	11,097	12,341														
			End	7,145	8,338	11,315	14,286	17,249	20,206	23,157	26,102	29,041														
GC4x05.0		Inboard	Start	6,455	7,542	10,255	12,960	15,659	18,351	21,037	23,717	26,392												27.6	96.4	
			Min	2,809	3,268	4,413	5,556	6,697	7,836	8,973	10,109	11,243														
			End	4,460	5,211	7,086	8,955	10,820	12,680	14,536	16,388	18,236														
GC4x06.0		Outboard	Start	7,268	8,462	11,441	14,414	17,382	20,345															27.6	66.9	
			Min	4,508	5,232	7,040	8,845	10,649	12,450																	
			End	10,471	12,190	16,482	20,765	25,041	29,309																	
GC4x06.0		Inboard	Start	9,787	11,401	15,430	19,451	23,464	27,469															27.6	66.9	
			Min	4,226	4,907	6,607	8,305	10,000	11,693																	
			End	6,762	7,878	10,662	13,440	16,213	18,980																	

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg		
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC5x03.5		Outboard	Start	2,935	3,458	4,762	6,059	7,351	8,637	9,918	11,194	12,466	14,998	17,515	20,019	22,514	25,000	28,101	31,198	34,295	37,396	40,507	43,632	27.6	344.7
			Min	1,878	2,196	2,988	3,778	4,566	5,352	6,136	6,918	7,698	9,253	10,802	12,346	13,886	15,423	17,341	19,257	21,174	23,092	25,014	26,942		
			End	4,229	4,983	6,860	8,729	10,590	12,444	14,289	16,128	17,961	21,608	25,234	28,843	32,437	36,019	40,487	44,948	49,410	53,879	58,361	62,863		
GC5x03.5		Inboard	Start	2,622	3,129	4,389	5,640	6,883	8,119	9,347	10,568	11,783	14,194	16,585	18,958	21,316	23,663	26,586	29,503	32,420	35,344	38,282	41,239	27.6	344.7
			Min	1,204	1,418	1,952	2,483	3,012	3,538	4,063	4,586	5,107	6,144	7,175	8,200	9,222	10,241	11,511	12,780	14,049	15,319	16,594	17,874		
			End	1,814	2,164	3,035	3,901	4,760	5,615	6,464	7,309	8,149	9,817	11,470	13,111	14,742	16,365	18,387	20,404	22,422	24,444	26,476	28,521		
GC5x04.0		Outboard	Start	3,939	4,623	6,328	8,026	9,719	11,405	13,086	14,762	16,433	19,761	23,073	26,372	29,659	32,939	37,030	41,116	45,203				27.6	266.0
			Min	2,495	2,910	3,947	4,981	6,012	7,041	8,068	9,092	10,115	12,155	14,188	16,216	18,239	20,259	22,781	25,301	27,821					
			End	5,675	6,660	9,117	11,564	14,002	16,432	18,854	21,268	23,675	28,470	33,242	37,995	42,732	47,457	53,351	59,238	65,126					
GC5x04.0		Inboard	Start	4,070	4,808	6,648	8,478	10,299	12,112	13,916	15,713	17,504	21,064	24,602	28,121	31,623	35,113	39,465	43,809	48,154				27.6	266.0
			Min	1,823	2,135	2,913	3,688	4,461	5,232	6,000	6,766	7,531	9,054	10,570	12,081	13,588	15,091	16,967	18,840	20,714					
			End	2,815	3,325	4,597	5,863	7,123	8,376	9,625	10,868	12,106	14,568	17,015	19,448	21,871	24,285	27,294	30,299	33,304					
GC5x04.5		Outboard	Start	5,082	5,948	8,109	10,262	12,409	14,550	16,684	18,813	20,936	25,169	29,384	33,584	37,773	41,953							27.6	210.2
			Min	3,197	3,723	5,036	6,346	7,653	8,958	10,260	11,560	12,858	15,447	18,030	20,607	23,179	25,748								
			End	7,322	8,570	11,683	14,785	17,878	20,962	24,038	27,105	30,164	36,262	42,335	48,387	54,422	60,443								
GC5x04.5		Inboard	Start	5,719	6,720	9,217	11,703	14,180	16,647	19,106	21,557	24,000	28,865	33,705	38,525	43,327	48,115							27.6	210.2
			Min	2,527	2,950	4,005	5,057	6,107	7,154	8,199	9,241	10,281	12,356	14,423	16,485	18,542	20,595								
			End	3,955	4,648	6,374	8,094	9,807	11,513	13,214	14,909	16,599	19,963	23,311	26,644	29,965	33,277								
GC5x05.0		Outboard	Start	6,365	7,435	10,105	12,767	15,422	18,071	20,712	23,348	25,978	31,222	36,448	41,658									27.6	170.2
			Min	3,984	4,633	6,255	7,874	9,489	11,103	12,713	14,321	15,927	19,132	22,329	25,520										
			End	9,170	10,712	14,559	18,394	22,220	26,035	29,841	33,639	37,428	44,983	52,512	60,018										
GC5x05.0		Inboard	Start	7,569	8,864	12,095	15,315	18,525	21,725	24,915	28,097	31,270	37,594	43,892	50,166									27.6	170.2
			Min	3,315	3,862	5,227	6,589	7,948	9,304	10,658	12,009	13,358	16,049	18,733	21,410										
			End	5,235	6,131	8,365	10,592	12,812	15,025	17,231	19,432	21,627	26,001	30,356	34,695										
GC5x06.0		Outboard	Start	9,350	10,892	14,742	18,582	22,415	26,240	30,057	33,868	37,672	45,261											27.6	118.2
			Min	5,811	6,747	9,084	11,418	13,748	16,076	18,400	20,722	23,041	27,671												
			End	13,471	15,693	21,239	26,773	32,294	37,805	43,305	48,795	54,276	65,211												
GC5x06.0		Inboard	Start	11,875	13,851	18,784	23,704	28,613	33,510	38,396	43,273	48,140	57,848											27.6	118.2
			Min	5,148	5,982	8,064	10,144	12,219	14,292	16,362	18,428	20,492	24,613												
			End	8,213	9,580	12,991	16,394	19,789	23,175	26,555	29,928	33,294	40,008												
GC5x07.0		Outboard	Start	12,894	14,994	20,238	25,473	30,698	35,915	41,123	46,323													27.6	86.9
			Min	7,977	9,251	12,435	15,614	18,790	21,962	25,130	28,296														
			End	18,577	21,603	29,159	36,700	44,229	51,744	59,248	66,740														
GC5x07.0		Inboard	Start	16,986	19,768	26,712	33,642	40,559	47,464	54,356	61,237													27.6	86.9
			Min	7,320	8,493	11,424	14,351	17,274	20,194	23,110	26,023														
			End	11,748	13,672	18,474	23,267	28,051	32,826	37,593	42,352														
GC5x08.0		Outboard	Start	16,977	19,719	26,564	33,394	40,210																27.6	66.5
			Min	10,474	12,138	16,294	20,443	24,588																	
			End	24,460	28,411	38,272	48,113	57,933																	
GC5x08.0		Inboard	Start	22,876	26,584	35,837	45,069	54,281																27.6	66.5
			Min	9,824	11,388	15,294	19,194	23,089																	
			End	15,821	18,386	24,785	31,170	37,541																	

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg	
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350
			Air Torque Output, Nm																					
GC7x04.0	Start	Outboard	4,812	5,652	7,746	9,832	11,910	13,980	16,043	18,100	20,150	24,233	28,296	32,342	36,374	40,394	45,410	50,420	55,430	60,447	65,476	70,525	27.6	344.7
	Min		3,055	3,566	4,839	6,109	7,376	8,640	9,901	11,159	12,415	14,920	17,416	19,905	22,389	24,868	27,963	31,056	34,149	37,244	40,345	43,453		
	End		6,932	8,143	11,159	14,164	17,157	20,140	23,112	26,075	29,029	34,912	40,765	46,593	52,401	58,194	65,419	72,636	79,854	87,081	94,327	101,600		
GC7x04.0	Start	Inboard	4,434	5,260	7,316	9,360	11,393	13,415	15,427	17,429	19,423	23,384	27,316	31,223	35,110	38,981	43,805	48,621	53,437	58,262	63,106	67,978	27.6	344.7
	Min		2,007	2,357	3,227	4,095	4,959	5,820	6,678	7,534	8,387	10,086	11,776	13,460	15,138	16,812	18,900	20,985	23,071	25,159	27,252	29,353		
	End		3,067	3,638	5,060	6,474	7,880	9,278	10,670	12,054	13,433	16,172	18,892	21,594	24,282	26,959	30,296	33,626	36,957	40,294	43,645	47,014		
GC7x04.5	Start	Outboard	6,217	7,281	9,934	12,579	15,215	17,843	20,464	23,077	25,684	30,878	36,050	41,204	46,342	51,469	57,866	64,257	70,648	77,047	83,459	27.6	331.8	
	Min		3,918	4,564	6,177	7,787	9,393	10,996	12,595	14,192	15,786	18,967	22,138	25,302	28,460	31,614	35,551	39,485	43,420	47,357	51,300			
	End		8,956	10,489	14,312	18,122	21,920	25,706	29,481	33,246	37,001	44,484	51,935	59,360	66,762	74,148	83,364	92,571	101,778	110,996	120,234			
GC7x04.5	Start	Inboard	6,460	7,609	10,472	13,323	16,161	18,988	21,803	24,608	27,404	32,967	38,499	44,004	49,488	54,954	61,771	68,578	75,387	82,205	89,043	27.6	331.8	
	Min		2,873	3,358	4,570	5,777	6,982	8,183	9,381	10,575	11,768	14,145	16,513	18,873	21,227	23,577	26,509	29,439	32,369	35,301	38,240			
	End		4,468	5,262	7,243	9,214	11,177	13,132	15,079	17,019	18,952	22,800	26,626	30,434	34,226	38,006	42,721	47,429	52,138	56,853	61,583			
GC7x05.0	Start	Outboard	7,793	9,107	12,387	15,657	18,917	22,169	25,413	28,649	31,878	38,315	44,729	51,123	57,500	63,865	71,809	79,746	87,684	27.6	268.8			
	Min		4,885	5,683	7,676	9,665	11,650	13,632	15,610	17,586	19,558	23,494	27,421	31,340	35,253	39,160	44,039	48,915	53,792					
	End		11,227	13,121	17,845	22,556	27,253	31,938	36,611	41,273	45,924	55,198	64,438	73,649	82,836	92,006	103,450	114,885	126,320					
GC7x05.0	Start	Inboard	8,733	10,244	14,010	17,762	21,501	25,227	28,941	32,645	36,338	43,694	51,017	58,311	65,581	72,833	81,880	90,918	99,957	27.6	268.8			
	Min		3,842	4,480	6,072	7,661	9,245	10,826	12,404	13,979	15,550	18,686	21,811	24,929	28,039	31,145	35,022	38,897	42,772					
	End		6,040	7,085	9,689	12,284	14,870	17,447	20,016	22,577	25,131	30,219	35,283	40,328	45,356	50,371	56,629	62,879	69,130					
GC7x06.0	Start	Outboard	11,460	13,355	18,083	22,801	27,509	32,206	36,894	41,574	46,245	55,564	64,856	74,126	83,377	27.6	186.6							
	Min		7,130	8,281	11,153	14,021	16,884	19,744	22,600	25,452	28,301	33,990	39,667	45,336	50,997									
	End		16,510	19,239	26,052	32,848	39,630	46,397	53,151	59,892	66,622	80,047	93,434	106,788	120,116									
GC7x06.0	Start	Inboard	14,023	16,370	22,226	28,066	33,892	39,703	45,501	51,286	57,059	68,573	80,047	91,489	102,904	27.6	186.6							
	Min		6,094	7,085	9,560	12,029	14,495	16,956	19,414	21,868	24,319	29,211	34,093	38,965	43,830									
	End		9,698	11,321	15,372	19,411	23,440	27,459	31,469	35,470	39,462	47,425	55,361	63,274	71,169									

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg		
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC7x07.0	Start	Outboard	15,814	18,395	24,837	31,267	37,685	44,093	50,490	56,877	63,254	75,984	88,683											27.6	137.1
	Min		9,793	11,359	15,271	19,178	23,080	26,978	30,871	34,761	38,646	46,408	54,156												
	End		22,782	26,500	35,781	45,044	54,291	63,522	72,737	81,938	91,126	109,465	127,760												
GC7x07.0	Start	Inboard	20,302	23,638	31,966	40,276	48,569	56,846	65,108	73,356	81,590	98,022	114,410											27.6	137.1
	Min		8,764	10,172	13,689	17,201	20,708	24,211	27,709	31,203	34,694	41,665	48,623												
	End		14,041	16,348	22,108	27,855	33,590	39,315	45,029	50,733	56,428	67,792	79,126												
GC7x08.0	Start	Outboard	20,831	24,200	32,609	40,999	49,372	57,728	66,069	74,394	82,706													27.6	105.6
	Min		12,861	14,906	20,013	25,113	30,206	35,291	40,371	45,444	50,512														
	End		30,010	34,863	46,977	59,065	71,127	83,165	95,181	107,175	119,149														
GC7x08.0	Start	Inboard	27,538	32,012	43,176	54,314	65,426	76,514	87,580	98,624	109,648													27.6	105.6
	Min		11,842	13,730	18,446	23,154	27,855	32,549	37,237	41,919	46,595														
	End		19,046	22,139	29,861	37,563	45,249	52,918	60,571	68,209	75,833														
GC7x09.0	Start	Outboard	26,555	30,820	41,469	52,098	62,707	73,298	83,871															27.6	82.9
	Min		16,355	18,944	25,410	31,868	38,318	44,761	51,197																
	End		38,256	44,401	59,742	75,054	90,338	105,595	120,827																
GC7x09.0	Start	Inboard	35,794	41,561	55,956	70,322	84,660	98,971	113,257															27.6	82.9
	Min		15,346	17,780	23,858	29,929	35,992	42,047	48,095																
	End		24,755	28,743	38,699	48,635	58,551	68,448	78,329																
GC7x10.0	Start	Outboard	32,965	38,233	51,386	64,517	77,627	90,716																27.6	67.2
	Min		20,264	23,461	31,447	39,424	47,392	55,352																	
	End		47,491	55,080	74,029	92,946	111,832	130,689																	
GC7x10.0	Start	Inboard	45,040	52,252	70,259	88,234	106,179	124,094																27.6	67.2
	Min		19,267	22,311	29,913	37,507	45,092	52,668																	
	End		31,150	36,138	48,592	61,023	73,433	85,823																	

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg	
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350
			Air Torque Output, Nm																					
GC8x05.0	Start	Outboard	9,166	10,722	14,605	18,475	22,334	26,181	30,019	33,846	37,665	45,276	52,857	60,413	67,948	75,468	84,851	94,227	103,603	112,988	122,393		27.6	328.5
	Min		5,760	6,706	9,066	11,421	13,771	16,117	18,458	20,796	23,130	27,788	32,433	37,068	41,695	46,316	52,085	57,851	63,617	69,388	75,165			
	End		13,209	15,452	21,047	26,624	32,185	37,730	43,260	48,776	54,278	65,247	76,172	87,061	97,920	108,756	122,279	135,789	149,301	162,826	176,379			
GC8x05.0	Start	Inboard	8,786	10,349	14,243	18,120	21,981	25,825	29,654	33,470	37,272	44,839	52,363	59,850	67,308	74,743	84,014	93,273	102,533	111,806	121,107		27.6	328.5
	Min		3,906	4,566	6,214	7,856	9,493	11,126	12,755	14,380	16,001	19,233	22,453	25,663	28,864	32,059	36,046	40,030	44,014	48,002	51,997			
	End		6,077	7,158	9,851	12,533	15,203	17,862	20,510	23,149	25,779	31,012	36,216	41,395	46,553	51,695	58,108	64,511	70,916	77,330	83,763			
GC8x06.0	Start	Outboard	13,509	15,753	21,352	26,937	32,509	38,069	43,617	49,155	54,681	65,706	76,697	87,659	98,598	109,519	123,152	136,777					27.6	254.0
	Min		8,420	9,783	13,184	16,580	19,971	23,357	26,738	30,114	33,487	40,220	46,939	53,647	60,345	67,036	75,393	83,746						
	End		19,468	22,701	30,770	38,819	46,849	54,861	62,857	70,836	78,801	94,688	110,527	126,324	142,088	157,826	177,474	197,108						
GC8x06.0	Start	Inboard	15,052	17,606	23,978	30,329	36,661	42,976	49,273	55,555	61,822	74,313	86,756	99,158	111,526	123,868	139,271	154,660					27.6	254.0
	Min		6,574	7,652	10,344	13,030	15,711	18,387	21,058	23,725	26,388	31,701	37,000	42,288	47,567	52,838	59,420	65,999						
	End		10,411	12,177	16,584	20,977	25,356	29,724	34,080	38,424	42,758	51,398	60,004	68,582	77,136	85,673	96,326	106,969						
GC8x07.0	Start	Outboard	18,666	21,722	29,351	36,964	44,563	52,148	59,720	67,280	74,828	89,892	104,918	119,913	134,881								27.6	186.6
	Min		11,574	13,429	18,062	22,689	27,310	31,925	36,536	41,141	45,741	54,929	64,102	73,262	82,412									
	End		26,900	31,304	42,297	53,269	64,220	75,150	86,062	96,956	107,834	129,542	151,197	172,805	194,376									
GC8x07.0	Start	Inboard	22,491	26,217	35,515	44,792	54,048	63,283	72,500	81,699	90,881	109,199	127,463	145,681	163,862								27.6	186.6
	Min		9,736	11,308	15,235	19,155	23,070	26,978	30,882	34,781	38,675	46,449	54,209	61,956	69,692									
	End		15,556	18,133	24,564	30,980	37,382	43,769	50,144	56,506	62,857	75,527	88,159	100,759	113,334									
GC8x08.0	Start	Outboard	24,608	28,598	38,556	48,491	58,405	68,298	78,172	88,028	97,867	117,497	137,071										27.6	142.9
	Min		15,209	17,631	23,680	29,720	35,751	41,774	47,788	53,796	59,797	71,779	83,739											
	End		35,463	41,212	55,563	69,880	84,167	98,424	112,654	126,857	141,035	169,324	197,532											
GC8x08.0	Start	Inboard	31,063	36,136	48,795	61,421	74,017	86,582	99,120	111,632	124,118	149,024	173,849										27.6	142.9
	Min		13,381	15,522	20,868	26,206	31,534	36,854	42,167	47,472	52,770	63,347	73,901											
	End		21,485	24,993	33,749	42,482	51,193	59,884	68,556	77,209	85,846	103,071	120,241											
GC8x09.0	Start	Outboard	31,388	36,439	49,051	61,637	74,199	86,739	99,258	111,756	124,236												27.6	112.9
	Min		19,347	22,413	30,072	37,721	45,361	52,991	60,612	68,226	75,831													
	End		45,233	52,513	70,687	88,825	106,928	125,000	143,040	161,051	179,036													
GC8x09.0	Start	Inboard	40,843	47,448	63,934	80,385	96,801	113,184	129,537	145,861	162,157												27.6	112.9
	Min		17,530	20,317	27,278	34,229	41,170	48,102	55,026	61,941	68,848													
	End		28,249	32,817	44,220	55,597	66,952	78,283	89,593	100,884	112,155													
GC8x10.0	Start	Outboard	38,981	45,219	60,797	76,347	91,871	107,370	122,846	138,300													27.6	91.4
	Min		23,978	27,765	37,224	46,671	56,109	65,536	74,954	84,362														
	End		56,175	65,165	87,614	110,023	132,394	154,730	177,033	199,303														
GC8x10.0	Start	Inboard	51,795	60,113	80,877	101,603	122,291	142,943	163,562	184,149													27.6	91.4
	Min		22,174	25,683	34,449	43,203	51,947	60,681	69,405	78,121														
	End		35,824	41,576	55,938	70,273	84,581	98,865	113,126	127,365														
GC8x12.0	Start	Outboard	56,563	65,547	87,975	110,362	132,711																27.6	63.5
	Min		34,703	40,155	53,775	67,378	80,965																	
	End		81,513	94,459	126,780	159,042	191,249																	
GC8x12.0	Start	Inboard	77,160	89,436	120,084	150,673	181,206																27.6	63.5
	Min		32,928	38,108	51,046	63,967	76,872																	
	End		53,367	61,858	83,055	104,212	125,330																	

Torque - Hydraulic Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																			MinOP barg	MOP barg		
			26	30	40	50	60	70	80	90	100	120	140	160	180	200	225	250	275	300	325			350	
			Air Torque Output, Nm																						
GC10x06.0		Outboard	Start	17,661	20,608	27,961	35,295	42,610	49,909	57,191	64,458	71,710	86,175	100,592	114,970	129,316	143,637	161,514	179,377	197,242	215,121	233,030	250,983	27.6	344.7
			Min	11,029	12,819	17,287	21,748	26,201	30,648	35,088	39,521	43,949	52,788	61,609	70,413	79,204	87,986	98,952	109,914	120,875	131,843	142,823	153,821		
			End	25,449	29,695	40,291	50,858	61,400	71,917	82,410	92,881	103,331	124,175	144,950	165,668	186,340	206,976	232,735	258,476	284,218	309,982	335,788	361,657		
GC10x06.0		Inboard	Start	17,339	20,338	27,815	35,264	42,688	50,086	57,461	64,813	72,145	86,751	101,289	115,771	130,205	144,603	162,567	180,510	198,456	216,423	234,432	252,505	27.6	344.7
			Min	7,628	8,895	12,056	15,209	18,355	21,494	24,626	27,753	30,873	37,097	43,302	49,491	55,668	61,833	69,531	77,223	84,916	92,615	100,325	108,054		
			End	11,993	14,067	19,238	24,390	29,524	34,641	39,742	44,827	49,898	60,000	70,055	80,071	90,054	100,013	112,437	124,847	137,259	149,686	162,142	174,641		
GC10x07.0		Outboard	Start	24,436	28,450	38,469	48,467	58,445	68,403	78,344	88,268	98,175	117,946	137,665	157,340	176,980	196,591	221,079	245,552	270,025				27.6	284.4
			Min	15,173	17,610	23,696	29,774	35,844	41,906	47,961	54,009	60,050	72,116	84,160	96,186	108,198	120,198	135,188	150,172	165,156					
			End	35,211	40,995	55,432	69,839	84,217	98,567	112,891	127,191	141,467	169,956	198,371	226,722	255,021	283,280	318,566	353,831	389,097					
GC10x07.0		Inboard	Start	27,111	31,649	42,971	54,263	65,527	76,762	87,971	99,156	110,318	132,578	154,762	176,884	198,953	220,983	248,481	275,958	303,437				27.6	284.4
			Min	11,783	13,698	18,482	23,256	28,023	32,782	37,534	42,278	47,016	56,475	65,912	75,332	84,737	94,130	105,862	117,587	129,313					
			End	18,751	21,889	29,721	37,531	45,320	53,091	60,844	68,580	76,300	91,695	107,039	122,339	137,603	152,839	171,858	190,863	209,868					
GC10x08.0		Outboard	Start	32,242	37,482	50,561	63,609	76,628	89,619	102,584	115,523	128,440	154,209	179,902	205,532	231,109	256,646	288,528						27.6	217.7
			Min	19,949	23,131	31,078	39,012	46,934	54,846	62,746	70,637	78,518	94,254	109,960	125,640	141,299	156,941	176,479							
			End	46,459	54,010	72,856	91,658	110,418	129,137	147,819	166,465	185,077	222,210	259,233	296,164	333,019	369,817	415,758							
GC10x08.0		Inboard	Start	38,372	44,679	60,416	76,108	91,758	107,368	122,940	138,477	153,979	184,892	215,695	246,406	277,042	307,620	345,786						27.6	217.7
			Min	16,572	19,235	25,884	32,520	39,145	45,758	52,360	58,953	65,536	78,676	91,785	104,868	117,931	130,976	147,268							
			End	26,539	30,902	41,786	52,639	63,463	74,260	85,030	95,775	106,497	127,878	149,182	170,423	191,612	212,761	239,158							
GC10x09.0		Outboard	Start	41,147	47,783	64,347	80,878	97,376	113,844	130,282	146,694	163,080	195,781	228,398	260,945	293,435								27.6	172.0
			Min	25,386	29,414	39,477	49,525	59,561	69,584	79,595	89,596	99,586	119,537	139,455	159,345	179,211									
			End	59,292	68,853	92,722	116,542	140,315	164,045	187,732	211,381	234,992	282,113	329,114	376,013	422,830									
GC10x09.0		Inboard	Start	51,217	59,537	80,301	101,017	121,685	142,310	162,893	183,437	203,943	244,855	285,646	326,335	366,942								27.6	172.0
			Min	22,023	25,535	34,305	43,061	51,804	60,535	69,254	77,962	86,659	104,026	121,358	138,662	155,943									
			End	35,424	41,178	55,539	69,867	84,162	98,427	112,663	126,871	141,054	169,350	197,563	225,705	253,790									
GC10x10.0		Outboard	Start	51,122	59,317	79,777	100,201	120,590	140,945	161,269	181,563	201,828	242,283	282,647										27.6	139.3
			Min	31,471	36,446	48,873	61,285	73,683	86,067	98,438	110,798	123,146	147,811	172,440											
			End	73,664	85,473	114,956	144,386	173,765	203,097	232,382	261,625	290,828	349,121	407,284											
GC10x10.0		Inboard	Start	65,605	76,175	102,559	128,891	155,172	181,404	207,591	233,735	259,839	311,935	363,900										27.6	139.3
			Min	28,125	32,586	43,727	54,853	65,964	77,063	88,148	99,222	110,284	132,376	154,432											
			End	45,375	52,685	70,934	89,145	107,322	125,466	143,577	161,660	179,714	215,745	251,686											
GC10x12.0		Outboard	Start	74,219	86,019	115,479	144,885	174,239	203,544	232,802	262,016	291,189												27.6	96.7
			Min	45,562	52,726	70,619	88,491	106,341	124,172	141,984	159,778	177,555													
			End	106,947	123,950	166,401	208,774	251,072	293,299	335,459	377,556	419,593													
GC10x12.0		Inboard	Start	98,925	114,694	154,061	193,350	232,564	271,706	310,782	349,794	388,746												27.6	96.7
			Min	42,255	48,910	65,533	82,133	98,713	115,272	131,813	148,336	164,842													
			End	68,420	79,327	106,554	133,728	160,849	187,922	214,948	241,930	268,871													
GC10x14.0		Outboard	Start	101,635	117,703	157,827	197,889	237,891	277,836															27.6	71.1
			Min	62,263	72,017	96,382	120,722	145,038	169,332																
			End	146,452	169,606	227,423	285,151	342,792	400,352																
GC10x14.0		Inboard	Start	138,471	160,398	215,147	269,807	324,380	378,872															27.6	71.1
			Min	59,001	68,253	91,365	114,452	137,514	160,554																
			End	95,772	110,937	148,803	186,608	224,353	262,041																