

# Torque - Direct Gas Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																	MinOP barg	MOP barg			
			26	27.5	30	32.5	35	37.5	40	42.5	45	50	55	60	65	70	75	80	82.5			85	87.5	90.5
			Air Torque Output, Nm																					
GTD01x03.5	Start	Outboard	1,543	1,643	1,810	1,977	2,143	2,310	2,476	2,643	2,809	3,141	3,473	3,804	4,135	4,465	4,796	5,125	5,455	5,620	5,784	5,949	27.6	88.9
			840	893	980	1,067	1,154	1,241	1,328	1,415	1,503	1,676	1,850	2,024	2,197	2,371	2,544	2,717	2,890	2,977	3,063	3,149		
			1,539	1,639	1,806	1,972	2,138	2,304	2,470	2,636	2,802	3,133	3,464	3,795	4,125	4,455	4,784	5,113	5,442	5,606	5,770	5,935		
GTD01x03.5	Start	Inboard	1,401	1,493	1,646	1,800	1,953	2,106	2,258	2,411	2,564	2,868	3,173	3,477	3,781	4,084	4,387	4,690	4,992	5,143	5,294	5,445	27.6	88.9
			766	814	894	974	1,054	1,134	1,214	1,294	1,374	1,534	1,693	1,853	2,012	2,171	2,330	2,489	2,648	2,727	2,806	2,885		
			1,397	1,489	1,642	1,795	1,947	2,100	2,252	2,404	2,556	2,860	3,164	3,467	3,770	4,073	4,375	4,676	4,978	5,129	5,279	5,429		
GTD01x04.0	Start	Outboard	2,054	2,185	2,403	2,621	2,839	3,056	3,274	3,491	3,709	4,143	4,577	5,010	5,443	5,876							27.6	68.1
			1,111	1,179	1,293	1,407	1,521	1,635	1,749	1,863	1,976	2,204	2,431	2,658	2,885	3,112								
			2,049	2,180	2,397	2,615	2,832	3,049	3,266	3,483	3,700	4,133	4,566	4,998	5,430	5,862								
GTD01x04.0	Start	Inboard	1,912	2,035	2,240	2,444	2,648	2,852	3,056	3,260	3,464	3,871	4,277	4,684	5,089	5,495							27.6	68.1
			1,037	1,101	1,208	1,315	1,421	1,528	1,635	1,741	1,848	2,061	2,274	2,487	2,699	2,912								
			1,907	2,029	2,233	2,437	2,641	2,844	3,048	3,251	3,454	3,860	4,265	4,670	5,075	5,479								
GTD2x04.0	Start	Outboard	2,473	2,631	2,895	3,159	3,423	3,686	3,949	4,212	4,475	5,001	5,526	6,050	6,574	7,098	7,621	8,143	8,665	8,926			27.6	84.8
			1,340	1,423	1,561	1,699	1,837	1,974	2,112	2,250	2,387	2,663	2,937	3,212	3,487	3,761	4,035	4,309	4,583	4,720				
			2,468	2,626	2,889	3,152	3,415	3,678	3,941	4,203	4,466	4,990	5,514	6,037	6,560	7,083	7,604	8,126	8,646	8,907				
GTD2x04.0	Start	Inboard	2,205	2,348	2,586	2,824	3,061	3,299	3,537	3,774	4,011	4,485	4,958	5,431	5,904	6,375	6,847	7,318	7,788	8,023			27.6	84.8
			1,200	1,274	1,399	1,523	1,648	1,772	1,896	2,020	2,144	2,393	2,640	2,888	3,136	3,383	3,630	3,877	4,124	4,247				
			2,199	2,342	2,579	2,817	3,054	3,291	3,528	3,764	4,001	4,474	4,946	5,418	5,889	6,359	6,830	7,299	7,768	8,003				
GTD2x05.0	Start	Outboard	3,965	4,212	4,625	5,037	5,449	5,860	6,272	6,683	7,094	7,915	8,736										27.6	54.3
			2,129	2,258	2,474	2,689	2,905	3,120	3,335	3,551	3,766	4,196	4,625											
			3,956	4,203	4,615	5,026	5,437	5,848	6,258	6,669	7,079	7,898	8,717											
GTD2x05.0	Start	Inboard	3,697	3,930	4,316	4,703	5,089	5,475	5,861	6,246	6,631	7,401	8,170										27.6	54.3
			1,989	2,110	2,312	2,514	2,716	2,918	3,120	3,321	3,523	3,926	4,329											
			3,688	3,920	4,305	4,691	5,076	5,461	5,846	6,230	6,615	7,383	8,150											
GTD3x05.0	Start	Outboard	4,804	5,105	5,606	6,107	6,608	7,109	7,609	8,108	8,608	9,606	10,603	11,599	12,593	13,587	14,579	15,571					27.6	78.0
			2,583	2,740	3,002	3,264	3,526	3,788	4,050	4,311	4,573	5,095	5,617	6,139	6,660	7,181	7,702	8,222						
			4,796	5,096	5,597	6,097	6,597	7,096	7,595	8,094	8,593	9,589	10,584	11,578	12,571	13,563	14,554	15,544						
GTD3x05.0	Start	Inboard	4,335	4,608	5,065	5,520	5,976	6,431	6,886	7,341	7,795	8,703	9,609	10,515	11,419	12,323	13,225	14,126					27.6	78.0
			2,337	2,480	2,719	2,957	3,195	3,433	3,671	3,909	4,147	4,622	5,097	5,572	6,046	6,519	6,993	7,466						
			4,325	4,598	5,054	5,508	5,963	6,417	6,871	7,325	7,778	8,684	9,589	10,492	11,395	12,296	13,196	14,096						
GTD3x06.0	Start	Outboard	7,041	7,474	8,197	8,919	9,640	10,362	11,083	11,803	12,523	13,963	15,401										27.6	54.2
			3,762	3,989	4,366	4,744	5,121	5,498	5,875	6,252	6,629	7,382	8,135											
			7,028	7,461	8,182	8,903	9,623	10,343	11,063	11,782	12,501	13,938	15,374											
GTD3x06.0	Start	Inboard	6,572	6,978	7,656	8,333	9,009	9,685	10,361	11,037	11,712	13,061	14,409										27.6	54.2
			3,516	3,729	4,083	4,436	4,790	5,144	5,497	5,850	6,203	6,909	7,615											
			6,557	6,963	7,639	8,314	8,990	9,664	10,339	11,013	11,687	13,033	14,378											
GTD4x06.0	Start	Outboard	8,518	9,045	9,923	10,800	11,677	12,554	13,430	14,305	15,180	16,929	18,676	20,420	22,164	23,905	25,645	27,383	29,119	29,987	30,854	31,721	27.6	89.3
			4,559	4,835	5,294	5,752	6,211	6,669	7,127	7,585	8,043	8,958	9,873	10,787	11,700	12,613	13,525	14,437	15,348	15,803	16,258	16,713		
			8,499	9,025	9,901	10,777	11,652	12,527	13,401	14,274	15,147	16,892	18,635	20,376	22,116	23,853	25,589	27,323	29,056	29,922	30,787	31,652		
GTD4x06.0	Start	Inboard	7,502	7,970	8,751	9,530	10,310	11,088	11,867	12,645	13,422	14,975	16,526	18,076	19,624	21,170	22,714	24,257	25,798	26,568	27,337	28,107	27.6	89.3
			4,028	4,272	4,680	5,088	5,495	5,903	6,310	6,717	7,123	7,936	8,749	9,561	10,372	11,182	11,992	12,802	13,610	14,015	14,419	14,823		
			7,483	7,950	8,729	9,507	10,284	11,061	11,837	12,613	13,389	14,938	16,485	18,031	19,575	21,117	22,658	24,196	25,734	26,502	27,269	28,037		

# Torque - Direct Gas Double-Acting Actuator

Actuator Model	Metric Unit	Stroke Direction	Operating Pressure, barg																	MinOP barg	MOP barg					
			26	27.5	30	32.5	35	37.5	40	42.5	45	50	55	60	65	70	75	80	82.5			85	87.5	90.5		
			Air Torque Output, Nm																							
GTD4x07.0	Start	Outboard	11,746	12,464	13,660	14,855	16,050	17,244	18,438	19,631	20,823	23,206	25,587	27,967	30,344											
	Min		6,259	6,634	7,259	7,883	8,508	9,132	9,756	10,380	11,004	12,251	13,497	14,742	15,987											
	End		11,721	12,437	13,630	14,823	16,015	17,207	18,398	19,588	20,778	23,156	25,532	27,906	30,278											
GTD4x07.0	Start	Inboard	10,731	11,390	12,488	13,586	14,683	15,779	16,875	17,971	19,066	21,254	23,439	25,623	27,805											
	Min		5,727	6,071	6,645	7,219	7,792	8,365	8,938	9,511	10,084	11,228	12,372	13,516	14,658											
	End		10,704	11,362	12,457	13,552	14,646	15,740	16,833	17,926	19,018	21,201	23,381	25,560	27,736											
GTD4x08.0	Start	Outboard	15,466	16,403	17,965	19,525	21,084	22,643	24,200	25,757	27,313	30,423														
	Min		8,218	8,707	9,523	10,339	11,154	11,969	12,784	13,598	14,413	16,040														
	End		15,433	16,368	17,926	19,483	21,038	22,594	24,148	25,701	27,254	30,357														
GTD4x08.0	Start	Inboard	14,452	15,331	16,794	18,257	19,719	21,180	22,640	24,099	25,558	28,472														
	Min		7,686	8,145	8,910	9,675	10,439	11,203	11,966	12,730	13,493	15,018														
	End		14,416	15,293	16,753	18,212	19,670	21,127	22,584	24,039	25,494	28,402														
GTD5x08.0	Start	Outboard	19,966	21,177	23,195	25,211	27,227	29,241	31,254	33,266	35,277	39,296	43,311	47,321	51,328	55,331	59,330	63,325	67,316	69,311	71,305					
	Min		10,617	11,251	12,306	13,360	14,415	15,468	16,522	17,575	18,628	20,732	22,835	24,936	27,036	29,134	31,232	33,328	35,423	36,469	37,516					
	End		19,934	21,143	23,158	25,171	27,183	29,195	31,205	33,214	35,221	39,234	43,242	47,246	51,246	55,243	59,235	63,224	67,209	69,201	71,191					
GTD5x08.0	Start	Inboard	18,306	19,422	21,280	23,137	24,993	26,848	28,702	30,554	32,406	36,106	39,801	43,493	47,180	50,864	54,544	58,220	61,892	63,727	65,561					
	Min		9,748	10,331	11,302	12,273	13,244	14,214	15,184	16,153	17,122	19,059	20,994	22,928	24,861	26,792	28,722	30,651	32,579	33,542	34,505					
	End		18,269	19,382	21,237	23,090	24,942	26,793	28,643	30,492	32,340	36,032	39,720	43,404	47,084	50,760	54,432	58,101	61,766	63,597	65,428					
GTD5x09.0	Start	Outboard	25,452	26,985	29,540	32,094	34,646	37,197	39,747	42,296	44,843	49,934	55,021	60,103	65,180	70,254										
	Min		13,501	14,303	15,639	16,974	18,309	19,643	20,977	22,310	23,643	26,308	28,972	31,633	34,293	36,952										
	End		25,411	26,942	29,493	32,043	34,591	37,138	39,684	42,228	44,772	49,855	54,933	60,007	65,077	70,142										
GTD5x09.0	Start	Inboard	23,794	25,232	27,628	30,022	32,415	34,807	37,197	39,587	41,975	46,747	51,515	56,278	61,037	65,792										
	Min		12,631	13,383	14,635	15,886	17,138	18,388	19,639	20,888	22,138	24,635	27,131	29,626	32,119	34,610										
	End		23,746	25,181	27,572	29,961	32,349	34,736	37,121	39,506	41,889	46,652	51,410	56,164	60,913	65,658										
GTD5x10.0	Start	Outboard	31,596	33,490	36,645	39,799	42,951	46,103	49,252	52,401	55,548	61,838	68,123													
	Min		16,729	17,719	19,368	21,017	22,665	24,313	25,961	27,608	29,254	32,546	35,836													
	End		31,546	33,437	36,587	39,736	42,883	46,029	49,174	52,317	55,459	61,739	68,014													
GTD5x10.0	Start	Inboard	29,941	31,739	34,735	37,730	40,723	43,715	46,706	49,695	52,683	58,655	64,622													
	Min		15,859	16,799	18,364	19,930	21,494	23,059	24,622	26,186	27,749	30,873	33,995													
	End		29,880	31,674	34,664	37,653	40,640	43,626	46,611	49,594	52,576	58,535	64,490													
GTD7x10.0	Start	Outboard	38,753	41,079	44,955	48,830	52,702	56,573	60,442	64,309	68,175	75,901	83,621	91,334	99,042	106,743	114,439	122,129	129,813	133,654	137,493	141,330				
	Min		20,538	21,755	23,782	25,808	27,834	29,859	31,884	33,908	35,931	39,976	44,019	48,060	52,098	56,135	60,169	64,201	68,232	70,246	72,260	74,274				
	End		38,690	41,012	44,882	48,750	52,616	56,480	60,343	64,204	68,063	75,777	83,484	91,185	98,880	106,569	114,252	121,930	129,602	133,436	137,268	141,100				
GTD7x10.0	Start	Inboard	35,709	37,859	41,443	45,024	48,604	52,182	55,758	59,333	62,906	70,047	77,182	84,310	91,432	98,548	105,658	112,763	119,862	123,410	126,956	130,501				
	Min		18,941	20,065	21,939	23,812	25,684	27,555	29,426	31,297	33,167	36,904	40,640	44,374	48,105	51,834	55,561	59,287	63,010	64,871	66,731	68,591				
	End		35,634	37,780	41,356	44,930	48,503	52,073	55,642	59,209	62,775	69,901	77,021	84,134	91,241	98,342	105,438	112,528	119,612	123,152	126,691	130,229				
GTD7x12.0	Start	Outboard	56,233	59,583	65,164	70,742	76,318	81,891	87,461	93,029	98,594	109,718	120,832	131,936	143,032											
	Min		29,725	31,476	34,395	37,313	40,230	43,145	46,061	48,975	51,888	57,712	63,533	69,350	75,164											
	End		56,141	59,486	65,057	70,627	76,197	81,757	87,318	92,877	98,434	109,539	120,635	131,721	142,798											
GTD7x12.0	Start	Inboard	53,196	56,370	61,659	66,945	72,229	77,510	82,788	88,064	93,338	103,877	114,407	124,921	135,439											
	Min		28,128	29,787	32,552	35,316	38,080	40,842	43,604	46,364	49,124	54,641	60,154	65,665	71,172											
	End		53,085	56,253	61,530	66,806	72,078	77,348	82,616	87,881	93,143	103,660	114,168	124,667	135,156											