

Output Torque for Double Acting Actuators

Series No.	Torque Output (Inch Lbs)				
	40 PSI 3 BAR	60 PSI 4.5 BAR	80 PSI 5.5 BAR	100 PSI 7 BAR	120 PSI 8BAR
20-0050	81	121	147	187	215
20-0075	168	197	204	257	292
20-0100	192	292	354	451	513
20-0150	274	407	496	628	717
20-0200	416	628	761	974	1106
20-0300	611	912	1106	1416	1611
20-0400	876	1319	1602	2045	2337
20-0500	1363	2045	2496	3186	3638
20-0600	2328	3496	4275	5435	6205
20-0700	3549	5328	6505	8285	9471
20-0800	5727	8585	10488	13347	15250
20-0900	6992	10480	12816	16304	18623
20-1000	10267	15401	18826	23960	27376
20-2000	15587	23384	28580	36378	41573
20-3000	20260	30394	37148	47273	54027
20-4000	30332	45503	55611	70781	80889
20-5000	43228	64834	79243	100948	115258

Output Torque for Spring Return Actuators

Series No.	Number of Springs	Closing Torque (Spring)		Torque Output (Inch Lbs)									
				40 PSI / 3 BAR		60 PSI / 4.5 BAR		80 PSI / 5.5 BAR		100 PSI / 7 BAR		120 PSI / 8 BAR	
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
21-0050	6	49	31	48	30								
	8	66	41	38	12	64	39	90	65				
	10	82	52			54	22	80	58	133	101	161	129
	12	99	62					69	31	122	84	150	112
21-0075	6	66	45	64	42	99	80	135	113				
	8	88	60			83	55	155	127	191	162		
	10	110	76					139	105	175	142	211	177
	12	131	91							160	118	196	155
21-0100	6	115	73	120	82	184	146	248	213				
	8	151	98			160	116	231	176	355	301		
	10	186	124					204	142	328	266	390	328
	12	222	151							310	231	372	293
21-0150	6	160	116	160	116	239	204	333	293				
	8	213	151			213	160	390	337	478	425		
	10	257	195					354	284	443	372	532	461
	12	284	213					337	257	425	346	514	434

Note: 1. Torques are in inch pounds.
 2. All torques are actual.



Output Torque for Spring Return Actuators

Series No.	Number of Springs	Closing Torque (Spring)		Torque Output (Inch Lbs)									
		Start	End	40 PSI / 3 BAR		60 PSI / 4.5 BAR		80 PSI / 5.5 BAR		100 PSI / 7 BAR		120 PSI / 8 BAR	
				Start	End	Start	End	Start	End	Start	End	Start	End
21-0200	6	248	169	248	178	385	310	523	452				
	8	328	231			337	231	470	372	743	647		
	10	408	280					437	346	691	567	832	701
	12	496	337					400	272	638	478	771	620
21-0300	6	372	248	363	239	558	443	762	647				
	8	487	337			478	318	682	523	1080	930		
	10	611	417					594	399	1001	806	1204	1009
	12	735	496					580	382	921	682	1115	885
21-0400	6	531	336	540	354	832	646	1124	938				
	8	699	451			717	469	1009	761	1593	1345		
	10	876	566					903	584	1478	1168	1770	1460
	12	1053	673							1372	1000	1655	1283
21-0500	6	832	558	805	531	1266	991	1717	1438				
	8	1106	743			1080	717	1531	1168	2434	2071		
	10	1390	929					1372	885	2248	1788	2700	2248
	12	1664	1106							2071	1514	2531	1974
21-0600	6	1372	912	1425	965	2195	1735	2974	2514				
	8	1823	1213			1894	1283	2673	2058	4213	3611		
	10	2284	1522					2360	1602	3912	3151	4691	3930
	12	2744	1823							3611	2691	4390	3461
21-0700	6	2213	1487	2062	1337	3248	2523	4426	3700				
	8	2947	1974			2762	1788	3948	2947	6311	5337		
	10	3691	2469					3452	2230	5815	4594	7001	5771
	12	4426	2965							5319	3859	6505	5036
21-0800	6	3284	2124	3602	2443	5505	4346	7399	6240				
	8	4381	2832			4788	3239	6691	5142	10506	8957		
	10	5470	3540					5983	4054	9798	7869	11710	9780
	12	6567	4248							9090	6771	11002	8683
21-0900	6	4036	2921	4063	2947	6390	5275	8718	7603				
	8	5381	3894			5426	3930	7745	6258	12400	10913		
	10	6727	4868					6771	4912	11427	9568	13574	11896
	12	8072	5842							10453	8223	12781	10550
21-1000	6	5886	4089	5904	4372	9329	7798	12754	11223				
	8	7843	5806			7877	5842	11303	9267	18145	16109		
	10	9807	7267					9842	7302	16684	14144	20101	17560
	12	11772	8718							15223	12179	18649	15595

Note: 1. Torques are in inch pounds.
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Output Torque for Spring Return Actuators

Series No.	Number of Springs	Closing Torque (Spring)		Torque Output (Inch Lbs)									
		Start	End	40 PSI / 3 BAR		60 PSI / 4.5 BAR		80 PSI / 5.5 BAR		100 PSI / 7 BAR		120 PSI / 8 BAR	
				Start	End	Start	End	Start	End	Start	End	Start	End
21-2000	6	7913	5629	9329	6798								
	8	10550	7506			12453	9072	17649	14268				
	10	13188	9382					15560	11338	25951	21729	31147	26925
	12	15826	11258							23871	18800	29067	23995
21-3000	6	11267	7753	11648	7745								
	8	15020	10338			15525	10320	22278	17074				
	10	18782	12922					19410	32917	32917	26411	39670	33165
	12	22535	15507							30040	22234	36794	28987
21-4000	6	18083	12462	16489	10241								
	8	24110	16613					32094	23774				
	10	30138	20764					27482	17074	47707	37298	57815	47406
	12	36165	24924							43096	30598	53203	40706
21-5000	10	36422	23225					46229	42784				
	12	43706	27872					55896	41833	69879	52292	84288	66701
	14	50991	32519					51775	35354	64719	44193	79128	58602
	16	58275	37165							59550	36103	73959	50513

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