

UniTorq Acutators - Series UCS

Single Acting, Pneumatic Actuators (Compact Type) -- Imperial Torques



Actuator Model	MOT [Lbf.in]	MOP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)										
					40	50	60	70	80	90	100	120	140	150	160
					Output Torque [Lbf.in]										
UCS1/N-*/030/M1	3600	240	BREAK	567		546	703	860	1018	1175	1333	1648	1962	2120	2277
			MID	202		191	270	349	428	506	585	742	900	979	1057
			END	241		220	378	535	693	850	1007	1322	1637	1795	1952
UCS1/N-*/030/M2	3600	240	BREAK	850			582	740	897	1055	1212	1527	1842	1999	2157
			MID	303			169	248	327	405	484	641	799	878	956
			END	362			94	252	409	567	724	1039	1354	1511	1669
UCS1/N-*/040/M1	3600	160	BREAK	850	630	878	1126	1374	1622	1870	2118	2614	3110	3358	
			MID	303	193	317	441	565	689	813	937	1185	1433	1557	
			END	362	142	390	638	886	1134	1382	1630	2126	2622	2870	
			BREAK												
			MID												
			END												
			BREAK												
			MID												
			END												
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MOP= Max Operating Pressure
 MAWP = Max. Allowable Working Pressure

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					40	50	60	70	80	90	100	120	140	150	160	
					Output Torque [Lbf.in]											
UCS2/N-A/040/M1	6200	190	BREAK	747	986	1336	1687	2037	2387	2737	3088	3788	4489	4839	5189	
			MID	290	410	585	760	935	1111	1286	1461	1811	2161	2337	2512	
			END	415	654	1005	1355	1705	2055	2406	2756	3456	4157	4507	4857	
UCS2/N-A/040/M2	6200	190	BREAK	1120		1129	1479	1830	2180	2530	2880	3581	4281	4632	4982	
			MID	436		440	615	790	965	1141	1316	1666	2016	2191	2366	
			END	622		631	981	1332	1682	2032	2382	3083	3783	4134	4484	
UCS2/N-A/040/M3	6200	200	BREAK	1493			1272	1622	1972	2323	2673	3373	4074	4424	4774	
			MID	581			470	645	820	995	1170	1521	1871	2046	2221	
			END	830			608	958	1308	1659	2009	2710	3410	3760	4111	
UCS2/N-A/040/M4	6200	210	BREAK	2240					1557	1908	2258	2959	3659	4009	4360	
			MID	871					530	705	880	1230	1581	1756	1931	
			END	1245					562	912	1262	1963	2663	3014	3364	
UCS2/N-A/049/M1	6200	120	BREAK	747	1795	2347	2900	3452	4004	2195	5109					
			MID	290	814	1091	1367	1643	1919	4557	2472					
			END	415	1463	2015	2568	3120	3672	4225	4777					
UCS2/N-A/049/M2	6200	120	BREAK	1120	1587	2140	2692	3244	3797	4349	4902	6006				
			MID	4316	669	945	1222	1498	1774	2050	2326	2879				
			END	622	1089	1642	2194	2747	3299	3851	4404	5509				
UCS2/N-A/049/M3	6200	120	BREAK	1493	1380	1932	2485	3037	3589	4142	4694	5799				
			MID	581	524	800	1076	1353	1629	1905	2181	2734				
			END	830	716	1268	1821	2373	2926	3478	4030	5135				
UCS2/N-A/049/M4	6200	120	BREAK	2240		1517	2070	2622	3175	3727	4279	5384				
			MID	871		510	786	1062	1338	1615	1891	2443				
			END	1245		522	1074	1627	2179	2731	3284	4388				
UCS2/N-A/049/M5	6200	140	BREAK	2688			1821	2373	2926	3478	4030	5135				
			MID	1045			612	888	1164	1440	1717	2269				
			END	1493			626	1178	1731	2283	2836	3940				
UCS2/N-A/049/M6	6200	140	BREAK	2987				2207	2760	3312	3865	4969	6074			
			MID	1162				772	1048	1324	1600	2153	2705			
			END	1659				880	1432	1985	2537	3642	4747			
			BREAK													
			MID													
			END													
			BREAK													
			MID													
			END													

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					40	50	60	70	80	90	100	120	140	150	160
					Output Torque [Lbf.in]										
US3/N-A/060/M1	11000	150	BREAK	4978			3130	4084	5037	5990	6943	8850	10756		
			MID	1892			968	1445	1921	2398	2874	3828	4781		
			END	2589			741	1695	2648	3601	4554	6461	8367		
US3/N-A/070/M1	11000	100	BREAK	4978	2932	4312	5692	7073	8453	9833					
			MID	1892	869	1559	2249	2939	3629	4319					
			END	2589	534	1923	3303	4684	6064	7444					
US3/N-A/070/M2	11000	110	BREAK	6969			4657	6037	7417	8798	10178				
			MID	2648			1492	2182	2872	3563	4253				
			END	3624			1312	2692	4073	5453	6833				
US3/N-A/080/M1	11000	80	BREAK	4978	4243	5951	7659	9367							
			MID	1892	1524	2378	3232	4086							
			END	2589	1854	3562	5270	6978							
US3/N-A/080/M2	11000	90	BREAK	6969		4916	6624	8332	10040						
			MID	2648		1622	2476	3330	4184						
			END	3624		1571	3279	4987	6695						

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