

UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS1/S-*/020/C1	3000	3000	BREAK	9444	6769	9616	12464	15312	18160	21007	23855	26703
			MID	4833	4885	5729	6573	7417	8261	9105	9949	10794
			END	6859	3557	6679	9802	12924	16046	19169	2291	25413
UHS1/A-*/020/C1	2600	3000	BREAK	8090	10641	15106	19571	24036	28501	32965		
			MID	5160	2631	4380	6129	7879	9628	11377		
			END	10869	2690	5171	7653	10135	12616	15098		
UHS1/S-*/024/C1	2600	3000	BREAK	9329	12906	17015	21124	25233	29342	33451		
			MID	4771	6922	9475	12028	14581	17134	19686		
			END	6744	10303	14778	19253	23728	28203	32678		
UHS1/A-*/024/C1	1700	3000	BREAK	7983		26894						
			MID	5080		9066						
			END	10692		11769						
UHS1/S-*/020/C2	3000	3000	BREAK	15436			8340	11193	14045	16898	19751	22604
			MID	7824			3183	4960	6738	8515	10292	12070
			END	10931			2561	5666	8770	11875	14979	18084
UHS1/A-*/020/C2	3000	3000	BREAK	13232		12900	13101	17563	22025	26488	30950	35412
			MID	8364		6005	2369	4138	5908	7678	9447	11217
			END	17330		7538	1776	4263	6750	9236	11723	14210
UHS1/S-*/024/C2	2900	3000	BREAK	15329		20263	16999	21098	25196	29295	33394	
			MID	7753		5245	8568	11131	13694	16257	18820	
			END	10816		5761	12013	16488	20963	25438	29913	
UHS1/A-*/024/C2	2000	3000	BREAK	13135			26691	33119				
			MID	8284			7797	10350				
			END	17153			9341	12921				
UHS1/S-*/028/C3	2600	3000	BREAK	28526			16498	22074	27650	33226		
			MID	15055			6708	10400	149083	17783		
			END	21277			710	13195	19290	25384		
UHS1/A-*/028/C3	2000	3000	BREAK	24402	22448	24035	25621	27208				
			MID	15754	4074	4582	5091	5559				
			END	33766	3336	4220	5105	5990				
UHS1/S-*/020/C4	3000	3000	BREAK	17684				9212	12050	14887	17725	20562
			MID	9081				3488	5289	7089	8889	10689
			END	12887				2956	6068	9181	12293	15405
UHS1/A-*/020/C4	3000	3000	BREAK	17277					19471	20508	21545	22583
			MID	11302					4668	5125	5583	6041
			END	24853					4874	5447	6019	6591

MOP= Max Operating Pressure
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					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS1/S-*/024/C4	3000	3000	BREAK	17569				19113	23202	27291	31379	35468
			MID	9010				9767	12337	14908	17479	20049
			END	12780				13792	18262	22732	27202	316171
UHS1/A-*/024/C4	2300	3000	BREAK	17188			19185	25608	32030			
			MID	11223			4526	7157	9789			
			END	24658			4703	8273	11843			
UHS1/S-*/028/C4	2300	3000	BREAK	17436	14086	19660	25233	30807	36380			
			MID	8922	6627	10115	13604	17092	20581			
			END	12630	8278	14381	20483	26585	32687			
UHS1/A-*/028/C4	1750	3000	BREAK	17082		26485	35232					
			MID	11152		7516	19074					
			END	24446		8761	13602					
UHS2/S-*/020/C1	3000	3000	BREAK	13542	8801	12503	16205	19907	23609	27311	31013	34715
			MID	6638	3452	5771	8089	10408	12727	15046	17365	19684
			END	8939	3133	7171	11208	15246	19284	23321	27359	31397
UHS2/A-*/020/C1	3000	3000	BREAK	11630		19648	25445	31243	37040	42837	48634	54431
			MID	7151		5012	7301	9589	11877	14166	16454	18742
			END	14161		5476	8690	11904	15118	18332	21545	24759
UHS2/S-*/024/C1	3000	201	BREAK	13409	15517	22026	28535	35044	41553	48062	54571	61080
			MID	6558	8533	11848	15164	18479	21795	25110	28426	31742
			END	6762	11862	17689	23517	29345	35172	41000	46828	52655
UHS2/A-*/024/C1	2300	3000	BREAK	11506	26380	34751	43121	51491	59862			
			MID	7125	7791	11056	14321	17586	20850			
			END	13913	9196	13833	18471	23109	27747			
UHS2/S-*/028/C1	2600	3000	BREAK	13241	26236	33498	40760	48022	55283	62545		
			MID	6443	14462	18978	23494	28009	32525	37041		
			END	8585	22205	30127	38050	45973	53896	61819		
UHS2/A-*/028/C1	1750	3000	BREAK	11373	41216	52617	64018					
			MID	6957	13580	18044	22509					
			END	13630	17420	23726	30032					
UHS2/S-*/020/C2	3000	3000	BREAK	22260				14567	18267	21967	25666	29366
			MID	10754				5493	7835	10177	12519	14860
			END	14223				4726	8784	12842	16900	20958
UHS2/A-*/020/C2	3000	3000	BREAK	19126				22860	28665	34470	40274	46079
			MID	11648				4274	6600	8927	11253	13580
			END	22543				3359	6578	9797	13016	16235

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Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS2/S-*/024/C2	3000	3000	BREAK	22109		16769	22109	27448	32788	38127	43467	48806
			MID	10665		7040	10376	13712	17048	20384	23720	27056
			END	14073		7167	12984	18802	24619	30437	36254	42072
UHS2/A-*/024/C2	2600	3000	BREAK	19011		26361	34721	43081	51441	59802		
			MID	11568		5768	9083	12399	15714	19030		
			END	22304		5302	9930	14557	19185	23812		
UHS2/S-*/028/C2	2600	3000	BREAK	21950	20891	28152	35414	42676	49937	57199		
			MID	10550	9614	14160	18707	23253	27799	32345		
			END	13896	11681	19604	27527	35449	43372	51295		
UHS2/A-*/028/C2	1750	3000	BREAK	18861	32850	44220	55591					
			MID	11453	8351	12846	17342					
			END	22021	8888	15194	21500					
UHS2/S-*/024/C3	3000	3000	BREAK	35801				19086	24411	29735	35059	40383
			MID	17117				5650	9098	12546	15994	19441
			END	22330				2261	8089	13917	19745	25572
UHS2/A-*/024/C3	3000	3000	BREAK	30801					38353	46706	55058	63411
			MID	18613					5889	10107	14325	18543
			END	35412					5770	10408	15046	19683
UHS2/S-*/028/C3	3000	3000	BREAK	35642			27058	34305	41551	48798	56044	63291
			MID	17011			10751	15548	20346	25144	29942	34740
			END	22127			10976	18901	26826	34752	42677	50602
UHS2/A-*/028/C3	2000	3000	BREAK	30659				46835				
			MID	18675				11823				
			END	26605				12609				
UHS2/S-*/020/C4	3000	3000	BREAK	25357				11965	15665	19364	23064	26763
			MID	12453				3389	5784	8179	10575	12970
			END	16772				1002	5044	9087	13130	17173
UHS2/A-*/020/C4	3000	3000	BREAK	21773						30400	36220	42040
			MID	13427						6810	9220	11630
			END	26605						6715	9979	13244
UHS2/S-*/024/C4	3000	3000	BREAK	25207		14195	19524	24853	30183	35512	40841	46171
			MID	12364		5057	8403	11749	15095	18441	21787	25133
			END	16622		3422	9250	15077	20905	26733	32560	38388
UHS2/A-*/024/C4	2600	3000	BREAK	21640		22289	30659	39029	47400	55770		
			MID	13338		3677	7013	10349	13685	17021		
			END	26375		2302	6929	11557	16184	20812		

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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS2/S-*/028/C4	2600	3000	BREAK	25933	18317	25569	32820	40072	47323	54575		
			MID	12249	7669	12205	16741	21277	25813	30349		
			END	16436	7946	15869	23792	31714	39637	47560		
UHS2/A-*/028/C4	2000	3000	BREAK	21507		40157	51538	62918				
			MID	13223		10845	15351	19856				
			END	26065		12185	18490	24796				
UHS2/S-*/030/C4	2000	3000	BREAK	24884	29226	38695	48163	57632				
			MID	12126	14545	20485	26424	32364				
			END	16223	19830	30204	40577	50951				
UHS2/A-*/030/C4	1500	3000	BREAK	21348		61197						
			MID	13099		19248						
			END	25738		23991						
UHS3/S-*/028/C1	3000	3000	BREAK	64752				39523	48898	58273	67647	77022
			MID	28455				8901	15659	22417	29176	35934
			END	33367				1883	12112	22341	32570	42799
UHS3/A-*/028/C1	3000	3000	BREAK	55937						91497	106211	120925
			MID	31509						16847	23773	30699
			END	52945						16306	24453	32599
UHS3/S-*/030/C1	3000	3000	BREAK	64504		38865	49951	61037	72123	83208	94294	105380
			MID	28287		9785	17555	25325	33095	40866	48636	56406
			END	33102		11253	12850	14447	16044	17640	19237	20834
UHS3/A-*/030/C1	2300	3000	BREAK	55733				97708	116930			
			MID	31703				19982	28693			
			END	52520				19745	30394			
UHS3/S-*/035/C1	2600	3000	BREAK	64221		56977	72467	87956	103446	118936		
			MID	28101		21582	31386	41191	50995	60799		
			END	32792		20927	37871	54815	71759	88703		
UHS3/A-*/035/C1	2000	3000	BREAK	55477		89450	113783	138115				
			MID	31526		17325	27341	37356				
			END	44333		15163	28641	42119				
UHS3/S-*/030/C2	3000	3000	BREAK	75975				49555	61797	74040	86283	98525
			MID	35722				17459	25308	33157	41006	48855
			END	45643				12836	26208	39580	52951	663232
UHS3/A-*/030/C2	2600	3000	BREAK	65389					97045	116259		
			MID	39041					19993	28391		
			END	72408					19366	30014		

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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS3/S-*/035/C2	3000	3000	BREAK	75692		44293	59793	75293	90792	106292	121792	137292
			MID	35784		14528	24240	33953	43666	53379	6309	72804
			END	45316		7077	24011	40945	57878	74812	91746	108680
UHS3/A-*/035/C2	2000	3000	BREAK	65168			93877	118210				
			MID	38864			17622	31100				
			END	71921			17622	31100				
UHS5/S-*/035/C0	3000	3000	BREAK	83286		63307	84665	106023	127381	148739	170097	191455
			MID	42608		29152	42496	55840	69183	82527	95871	109214
			END	60274		35183	58534	81886	105237	128588	151940	175291
UHS5/A-*/035/C0	3000	3000	BREAK	71337		99390	132932	166474	200017	233559	267101	300643
			MID	45422		25491	38611	51731	64851	77971	91091	104210
			END	28482		26779	45350	63922	82493	101064	119635	138207
UHS5/S-*/040/C0	3000	3000	BREAK	82843	66562	92923	119285	145647	172009	198371	224733	251095
			MID	42333	31261	47646	64031	80415	96800	113185	129569	145954
			END	59796	38758	67571	96384	125197	154010	182823	211636	240449
UHS5/A-*/040/C0	2600	3000	BREAK	70965		145906	187310	228714	270118	311522		
			MID	45139		43583	59784	75986	92187	108389		
			END	94880		52541	75486	98430	121375	144319		
UHS5/S-*/043/C0	3000	3000	BREAK	83289	94683	126588	158493	190398	22302	254207	286112	318017
			MID	42608	48896	68739	88582	108424	128267	148109	167953	187795
			END	107563	69480	104365	139250	174134	209019	243904	278788	313673
UHS5/A-*/043/C0	2000	3000	BREAK	71337	148693	198772	248852	298931				
			MID	45422	44915	64513	84112	103710				
			END	95632	53622	81784	109936	138088				
UHS5/S-*/045/C0	2900	3000	BREAK	83126	109337	144212	179086	213961	248836	283710	318585	
			MID	42501	58110	79793	101476	123160	144843	166527	188210	
			END	126796	85490	123619	161748	199877	238006	276135	314264	
UHS5/A-*/045/C0	2000	3000	BREAK	71195	171689	226437	281184	335932				
			MID	77302	53920	75339	96758	118177				
			END	99925	66805	97144	127482	157821				
UHS5/S-*/035/C1	3000	3000	BREAK	105280		15382	52850	90318	127786	165254	202722	240190
			MID	53113		16607	29992	43376	56760	70145	83529	96913
			END	73833		8594	31956	55317	78679	102040	125402	148764
UHS5/A-*/035/C1	3000	3000	BREAK	90278		77863	111426	144988	178551	212113	245676	279238
			MID	56822		11681	24933	38185	51437	64689	77941	91193
			END	117157		5200	23781	42363	60944	79526	98107	116689

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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS5/S-*/040/C1	3000	3000	BREAK	101846		79204	105576	131948	158320	184692	211064	237436
			MID	525839		34960	51477	67993	84510	101027	117544	134061
			END	73355		40993	69806	98619	127431	156244	185057	213870
UHS5/A-*/040/C1	2600	3000	BREAK	89853		124362	165779	207190	248604	290019		
			MID	56680		30330	46664	62997	79331	95665		
			END	116387		30973	53907	76841	99776	122710		
UHS5/S-*/043/C1	3000	3000	BREAK	105289	80965	112869	144774	176679	208584	240488	272393	304298
			MID	53131	36534	56529	76524	96519	116514	136509	156504	176500
			END	73842	42901	77786	112671	147556	182440	217325	252210	287094
UHS5/A-*/043/C1	2300	3000	BREAK	90278	127157	177246	227336	277426	327515			
			MID	56955	31297	51119	70941	90764	110586			
			END	117166	32485	60251	88016	115781	143547			
UHS5/S-*/045/C1	2900	3000	BREAK	105120	95608	130492	165377	200262	235146	270031	304916	
			MID	5301	45796	67571	89346	111121	132895	154670	176445	
			END	73656	58931	97050	135169	173288	211407	249525	287644	
UHS5/A-*/045/C1	2000	3000	BREAK	90118	150184	204921	259659	314396				
			MID	56733	40541	62103	83664	105225				
			END	116874	45231	75590	105949	136308				
UHS5/S-*/049/C1	2300	3000	BREAK	104749	126915	168105	209296	250486	291676			
			MID	52786	65562	91161	116760	142359	167958			
			END	73249	93141	138166	183190	228215	273240			
UHS5/A-*/049/C1	1750	3000	BREAK	89835	199229	263944	328659					
			MID	56645	59693	85455	111217					
			END	116228	72466	108296	144127					
UHS5/S-*/035/C2	3000	3000	BREAK	140293				59521	80879	102237	123595	144953
			MID	73249				20388	33958	47528	61098	74668
			END	106244				12990	36331	59672	83013	106355
UHS5/A-*/035/C2	3000	3000	BREAK	120016				93452	126999	160547	194094	227641
			MID	77444				14737	28124	41511	54898	68285
			END	168607				8483	27057	45631	64205	82778
UHS5/S-*/040/C2	3000	3000	BREAK	139860		46585	72906	99227	125548	151869	178191	204512
			MID	72974		12877	29394	45911	62428	78944	995461	111978
			END	105766		12000	26981	41962	56943	71924	86906	101887
UHS5/A-*/040/C2	3000	3000	BREAK	119644			114334	155715	197097	238478	279859	321240
			MID	77179			20763	39329	57895	76461	95028	113594
			END	167837			20009	42954	65898	88843	111787	134732

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Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)									
					1250	1500	1750	2000	2250	2500	2750	3000		
					Ouput Torque [Lbf.in]									
UHS5/S-*/043/C2	3000	3000	BREAK	140302		80096	111991	143885	175780	207674	239569	271464		
			MID	73240		33949	53955	73960	93965	113971	133976	153981		
			END	106253		35480	70364	105249	140134	175018	209903	244788		
UHS5/A-*/043/C2	2300	3000	BREAK	120007		125688	175808	225928	276048					
			MID	77453		28015	47878	67741	87604					
			END	168607		26352	54118	81883	109648					
UHS5/S-*/045/C2	3000	3000	BREAK	140143		97710	132585	167459	202334	237208	272083	306957		
			MID	73143		45197	66962	88726	110491	132256	154021	175786		
			END	106076		54743	92871	131000	169130	207259	245388	283517		
UHS5/A-*/045/C2	2300	3000	BREAK	119883		153455	208183	262910	317637					
			MID	77356		38657	60504	82350	104196					
			END	168297		41695	72023	102351	132680					
UHS5/S-*/049/C2	2600	3000	BREAK	139771	94109	135320	176531	217742	258952	300163				
			MID	72912	42857	68589	94320	120051	145782	171514				
			END	105669	50823	95656	140893	185928	230963	275997				
UHS5/A-*/049/C2	1750	3000	BREAK	119556	147742	212467	277192							
			MID	77382	36688	62389	88070							
			END	167669	38568	74398	110229							
UHS5/S-*/035/C3	2900	3000	BREAK	162942						77220	98570			
			MID	89198							31058	45185		
			END	130991								32341	55628	
UHS5/A-*/035/C3	3000	3000	BREAK	139665							122196	155744	189291	
			MID	91473								25521	39480	53439
			END	208949									24389	42963
UHS5/S-*/040/C3	3000	3000	BREAK	162500				74141	100510	126880	153249	179619		
			MID	87162				30242	46757	63271	79785	96299		
			END	130522				28958	57791	86624	115458	144291		
UHS5/A-*/040/C3	3000	3000	BREAK	138744				116416	157813	199209	240605	282002		
			MID	91180				24299	70706	57114	73521	89929		
			END	207108				21182	44119	6705	89993	112930		
UHS5/S-*/043/C3	3000	3000	BREAK	162942		14422	46336	78251	110166	142081	173996	205911		
			MID	87445		18178	38174	58169	78164	98159	118154	138149		
			END	131000		7991	44401	80811	117222	153632	190042	226453		
UHS5/A-*/043/C3	2600	3000	BREAK	139116		86482	136572	186661	236751	286840				
			MID	91473		12429	32292	52155	72019	91880				
			END	207878		4589	32344	60100	87855	115610				

MOP= Max Operating Pressure
MAWP = Max. Allowable Working Pressure

UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS5/S-*/045/C3	3000	3000	BREAK		72700	107554	142408	177262	212117	246971	281825	
			MID		29375	51201	73027	94852	116678	138504	160330	
			END		27414	65513	103611	141710	179808	217907	256005	
UHS5/A-*/045/C3	2300	3000	BREAK		114154	168922	223690	278458				
			MID		23615	45227	66839	88452				
			END		19921	50259	80598	110936				
UHS5/S-*/049/C3	2900	3000	BREAK		110290	151501	192812	233923	275133	316344		
			MID		52678	78470	104263	130055	155847	181640		
			END		68492	113526	158561	203596	248631	293666		
UHS5/A-*/049/C3	2000	3000	BREAK		173189	237894	302598					
			MID		46708	72358	98008					
			END		52653	88473	124294					
UHS5/S-*/040/C4	3000	3000	BREAK					85825	111927	138030		
			MID					31213	48467	65722		
			END					27270	55806	84342		
UHS5/A-*/040/C4	3000	3000	BREAK					140097	181509	222920		
			MID					24199	42742	61286		
			END					22250	45194	68139		
UHS5/S-*/043/C4	3000	3000	BREAK				80455	112370	144285	176200	208115	
			MID				22608	47635	72662	97689	122716	
			END				21404	56279	91153	12602	160902	
UHS5/A-*/043/C4	3000	3000	BREAK				126374	176451	226528	276005	326682	
			MID				22014	41907	61801	81694	101588	
			END				14666	42393	70121	97848	125575	
UHS5/S-*/045/C4	3000	3000	BREAK			69151	104026	138900	173775	208649	243524	
			MID			22605	44459	66313	88166	110020	131874	
			END			9046	47170	85294	123418	161542	199666	
UHS5/A-*/045/C4	2600	3000	BREAK				163348	218100	272853			
			MID				7570	52078	96587			
			END				35148	65469	95790			
UHS5/S-*/049/C4	3000	3000	BREAK		71880	113070	154261	195451	236641	277832	319022	
			MID		24194	50016	75839	101662	127485	253308	179131	
			END		12035	57049	102064	147078	192093	237107	282122	
UHS5/A-*/049/C4	2300	3000	BREAK			177567	24459	306950				
			MID			41502	68008	94515				
			END			43007	78843	114679				

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UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS5/S-*/055/C4	2300	3000	BREAK	208541		134156	185843	237529	289215			
			MID	11918		62952	95518	128084	160650			
			END	167739		80097	136594	193091	249588			
UHS5/A-*/055/C4	1750	3000	BREAK	178077		205804	286151					
			MID	117095		53656	85480					
			END	266160		58672	103168					
UHS6/S-*/043/C1	3000	3000	BREAK	291933				115225	157895	200565	243236	285906
			MID	151578				35618	62819	90020	117221	144422
			END	218454				14719	61348	107977	154606	201235
UHS6/A-*/043/C1	3000	3000	BREAK	249812				180952	247940	314928	238915	448903
			MID	160641				23391	80340	77289	104238	131188
			END	346631				7713	44823	81932	119042	156151
UHS6/S-*/049/C1	3000	3000	BREAK	291199		103742	158845	213949	269052	324156	379260	434363
			MID	151157		26144	62453	98761	135070	171379	207687	243996
			END	217658		2180	62389	122599	182808	243017	303226	363435
UHS6/A-*/049/C1	30000	3000	BREAK	249202		162933	249433	335933	422433	508933	595433	681933
			MID	160199		17625	51767	85909	120052	154194	188336	222478
			END	345365		18862	44817	70772	96727	122682	148637	174592
UHS6/S-*/055/C1	3000	3000	BREAK	290393		187033	256162	325291	394420	463548	532677	601806
			MID	150613		81196	124451	167706	210961	254216	297471	340726
			END	216773		93201	168767	244334	319900	395467	471034	546600
UHS6/A-*/055/C1	2900	3000	BREAK	245785		290464	397813	505163	612512	719861	827211	
			MID	157897		67665	109943	152222	194500	236779	279058	
			END	340179		69401	128847	188294	247740	307186	366633	
UHS6/S-*/065/C1	3000	3000	BREAK	289154		312758	403031	493304	583577	673851	764124	854397
			MID	153383		161355	217476	273596	329717	385838	441958	498079
			END	215427		218572	448791	679009	909228	1139447	1369666	1599884
UHS6/A-*/065/C1	2000	3000	BREAK	244759		485685	625864	466044				
			MID	157189		146373	201599	256825				
			END	338099		177598	254741	331884				
UHS6/S-*/049/C2	3000	3000	BREAK	39598	345505			145720	200809	255897	310985	366074
			MID	202434	91148			35439	71054	106668	142283	177897
			END	285136	100455			-3973	56257	116486	176716	236945
UHS6/A-*/049/C2	3000	3000	BREAK	339232					315343	401828	488312	574797
			MID	215604					51665	87455	123245	159035
			END	452450					38894	86836	134777	182718

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UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS6/S-*/055/C2	3000	3000	BREAK	395168			187922	257030	326139	395247	464355	533464
			MID	201611			64243	107592	150941	194290	237640	280989
			END	284260			42174	117712	193251	268790	344328	419867
UHS6/A-*/055/C2	3000	3000	BREAK	338541			295083	403605	512126	620648	729169	837691
			MID	215188			45449	88471	131492	174513	217534	260555
			END	451034			27691	87798	147906	208013	268120	328228
UHS6/S-*/065/C2	3000	3000	BREAK	393885		244519	334792	425065	515338	605611	695884	786157
			MID	200824		99251	155839	212428	269016	325605	382193	438782
			END	282914		104083	202767	301451	400135	498819	597503	696187
UHS6/A-*/065/C2	2300	3000	BREAK	337523		383963	525688	667414	809139			
			MID	214427		78458	140091	201724	263357			
			END	448910		77389	150687	223986	297284			
UHS6/S-*/065/C3	3000	3000	BREAK	699714					331135	421403	511671	601939
			MID	344365					66497	134057	201617	269177
			END	465063					30642	129308	227975	326641
UHS6/A-*/065/C3	3000	3000	BREAK	600789						661706	803462	945218
			MID	371023						93913	165843	237774
			END	737931						90973	169540	248107
UHS6/S-*/080/C3	3000	3000	BREAK	696775		351924	503484	655045	806605	958166	1109726	1261286
			MID	342480		121382	209784	298185	386587	474989	563390	651792
			END	461850		64416	218590	372764	526938	681112	835287	989461
UHS6/A-*/080/C3	2300	3000	BREAK	597957				1254920	1710936			
			MID	371572				260502	359855			
			END	732842				284693	407349			
UHS6/S-*/065/C7	3000	3000	BREAK	608277				341916	432184	522452	612720	702988
			MID	285879				101484	159975	218465	276955	335446
			END	365138				42423	141097	239771	338445	437119
UHS6/A-*/065/C7	3000	3000	BREAK	523655				536909	678365	820360	962086	1103811
			MID	312520				61567	120492	179418	238343	297268
			END	579352				21869	100367	178865	257363	335862
UHS6/S-*/080/C7	3000	3000	BREAK	609427		447629	609014	770399	931784	1093169	1254554	1415939
			MID	286623		181196	269588	357979	446371	534762	623154	711545
			END	366386		179343	333517	487691	641865	796039	950213	1104388
UHS6/A-*/080/C7	2000	3000	BREAK	465638		727234	948665	1170096				
			MID	289774		180861	268948	357034				
			END	574210		190550	313226	435903				

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UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS7/S-*/080/C0	3000	3000	BREAK	1064435			678630	862683	1046735	1230788	1414840	1598892
			MID	484092			217510	334948	452386	569825	687263	804702
			END	591885			110020	311205	512389	713574	914758	1115943
UHS7/A-*/080/C0	2600	3000	BREAK	918000				1354639	1643636	1932632		
			MID	534851				226824	371441	516057		
			END	939109				224935	385005	545076		
UHS7/S-*/085/C0	3000	3000	BREAK	10663329		725373	948076	1170779	1393482	1616185	1838887	2061590
			MID	483384		247369	389389	531410	673430	815450	957471	1099491
			END	590699		161104	404545	647985	891425	1134866	1378306	1621747
UHS7/A-*/085/C0	2000	3000	BREAK	917044			1488735	1838396				
			MID	560695			298005	460707				
			END	937206			299185	492871				
UHS7/S-*/080/C2	3000	3000	BREAK	1377088						1174272	1358332	1542392
			MID	58123						355199	512775	670351
			END	647786						335893	53762	738231
UHS7/S-*/085/C2	3000	3000	BREAK	1375938					1336965	1559653	1782340	2005028
			MID	580698					525324	669048	812772	956496
			END	646565					513714	757134	1000554	1243974
UHS7/S-*/096/C2	2600	3000	BREAK	1374698				1454270	1698102	1941934		
			MID	579866				597864	759002	920140		
			END	645220				641945	908463	1174980		
UHS7/S-*/100/C2	3000	3000	BREAK	1374035			1343812	1631398	1918983			
			MID	579485			516741	714035	911330			
			END	644512			521198	835550	1149901			

MOP= Max Operating Pressure
 MAWP = Max. Allowable Working Pressure

UniTorq Acutators - Series UHS

Scotch-Yoke, Single Acting, Hydraulic Actuators -- Imperial Torques



Actuator Model	MOP [psig]	MAWP [psig]	Stroke Position	Spring Torque [Lbf.in]	Operating Pressure (psig)							
					1250	1500	1750	2000	2250	2500	2750	3000
					Ouput Torque [Lbf.in]							
UHS7/S-*/085/C3	3000	3000	BREAK	1471543					1233366	1448602	166383	1879072
			MID	643892				419268	588073	756877	925681	
			END	751092				398183	641610	885038	1128466	
			BREAK									
			MID									
			END									
UHS7/S-*/100/C3	2300	3000	BREAK	1469667				1528513	1793100			
			MID	642635				646944	821813			
			END	749039				723102	1012320			
			BREAK									
			MID									
			END									
UHS7/S-*/080/C4	3000	3000	BREAK	1006286			742904	926957	1111009	1295062	1479114	1663167
			MID	445927			259907	376933	493960	610986	728013	845039
			END	528319			180277	381462	582647	783831	985016	1186200
UHS7/A-*/080/C4	2600	3000	BREAK	868967				1455579	1744598	2033618		
			MID	497633				283895	418870	553845		
			END	838255				285532	407120	52707		
UHS7/S-*/085/C4	3000	3000	BREAK	1005162		789648	1012350	1235053	1457756	1680459	1903161	2125864
			MID	445193		289320	430964	572609	714253	855897	9997541	1139185
			END	527080		231363	474793	718223	961653	1205083	1448514	1691944
UHS7/A-*/085/C4	2000	3000	BREAK	867993			1566094	1936770				
			MID	496825			341547	498353				
			END	836307			342067	547370				
UHS7/S-*/096/C4	2300	3000	BREAK	1003923	777371	1042403	1307435	1572468	1837500			
			MID	444378	276797	447193	617589	787985	958381			
			END	525752	217961	507646	797332	1087017	1376703			
UHS7/A-*/096/C4	1750	3000	BREAK	866940	1257036	1639903	2022771					
			MID	496129	219336	378148	536960					
			END	834183	170804	382909	595014					

MOP= Max Operating Pressure
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