

CREDESCENCE A-SERIES SCOTCH YOKE ACTUATOR

HYDRAULIC DOUBLE ACTING SCOTCH YOKE ACTUATOR TORQUES.

TORQUE DATA IN IMPERIAL (lb-in)



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ACTUATOR MODEL NO.	STROKE POSITION	OPERATING AIR PRESSURE (PSI)													
		PSI	400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
		HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN													
A07H15	START/END	☉	182	260	338	416	520	728	910	1040	1300	1434	1560	1768	15866
	MINIMUM	☉	94	134	175	215	268	376	470	537	671	740	805	913	8191
	START/END	☉	363	519	675	831	1039	1454	1817	2077	2596	2864	3116	3531	31688
	MINIMUM	☉	192	274	356	439	548	767	959	1096	1370	1512	1644	1864	16724
A07H17	START/END	☉	320	458	595	732	915	1281	1602	1830		2524	2746	3112	27923
	MINIMUM	☉	165	236	307	378	473	662	827	945	1181	1303	1418	1607	14417
	START/END	☉	499	713	926	1140	1425	1995	2494	2850	3563	3930	4275	4846	43484
	MINIMUM	☉	263	376	489	602	752	1053	1316	1504	1880	2074	2256	2557	22950
A07H02	START/END	☉	509	728	946	1164	1455	2037	2546	2910	3638	4013			
	MINIMUM	☉	263	376	488	601	751	1052	1315	1503	1878	2072			
	START/END	☉	684	977	1270	1563	1953	2735	3418	3907	4883	5387			
	MINIMUM	☉	361	515	670	825	1031	1443	1804	2062	2577	2843			
A07H22	START/END	☉	728	1040	1352	1664	2080	2912	3640						
	MINIMUM	☉	376	537	698	859	1074	1503	1879						
	START/END	☉	898	1282	1667	2052	2565	3590	4488						
	MINIMUM	☉	474	677	880	1083	1354	1895	2369						
A07H25	START/END	☉	902	1289	1676	2063	2578	3610							
	MINIMUM	☉	466	666	865	1065	1331	1864							
	START/END	☉	1068	1526	1984	2442	3052	4273							
	MINIMUM	☉	564	805	1047	1289	1611	2255							
A07H03	START/END	☉	1427	2038	2650	3261	4077								
	MINIMUM	☉	737	1052	1368	1684	2105								
	START/END	☉	1581	2259	2937	3614	4518								
	MINIMUM	☉	835	1192	1550	1908	2384								
A07H35	START/END	☉	2054	2934	3814										
	MINIMUM	☉	1060	1515	1969										
	START/END	☉	2195	3135	4076										
	MINIMUM	☉	1158	1655	2151										
ACTUATOR MODEL NO.	STROKE POSITION	OPERATING AIR PRESSURE (PSI)													
		PSI	400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
		HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN													
A08H17	START/END	☉	296	423	550	677	846	1184	1481	1692	2115				
	MINIMUM	☉	153	218	284	349	437	612	764	874	1092				
	START/END	☉	624	891	1158	1425	1781	2494	3118	3563	4454				
	MINIMUM	☉	329	470	611	752	940	1316	1645	1880	2351				
A08H02	START/END	☉	532	760	989	1217	1521	2129	2662						
	MINIMUM	☉	275	393	510	628	785	1099	1374						
	START/END	☉	855	1221	1587	1953	2442	3418	4273						
	MINIMUM	☉	451	644	838	1031	1289	1804	2255						
A08H22	START/END	☉	806	1151	1496	1842	2302	3223							
	MINIMUM	☉	416	594	773	951	1189	1664							
	START/END	☉	1122	1603	2084	2565	3206	4488							
	MINIMUM	☉	592	846	1100	1354	1692	2369							
A08H25	START/END	☉	1024	1462	1901	2340	2925								
	MINIMUM	☉	529	755	982	1208	1510								
	START/END	☉	1335	1908	2480	3052	3815								
	MINIMUM	☉	705	1007	1309	1611	2014								
A08H03	START/END	☉	1679	2399	3119										
	MINIMUM	☉	867	1239	1610										
	START/END	☉	1977	2824	3671										
	MINIMUM	☉	1043	1490	1937										
A08H35	START/END	☉	2463	3519											
	MINIMUM	☉	1272	1817											
	START/END	☉	2743	3919											
	MINIMUM	☉	1448	2068											
A08H04	START/END	☉	3450												
	MINIMUM	☉	1781												
	START/END	☉	3709												
	MINIMUM	☉	1958												

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		PSI	400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
		HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN													
A09H10	START/END	⊙	491	701	912	1122	1403	1964	2455	2805	3507	3868	4208	4769	42797
	MINIMUM	⊙	253	362	471	579	724	1014	1267	1448	1810	1997	2173	2462	22097
	START/END	○	1025	1465	1904	2344	2930	4102	5127	5860	7325	8081	8790	9962	89399
	MINIMUM	○	541	773	1005	1237	1546	2165	2706	3093	3866	4265	4639	5258	47183
A09H11	START/END	⊙	819	1170	1521	1872	2340	3276	4095	4680	5850	6453	7020		
	MINIMUM	⊙	423	604	785	966	1208	1691	2114	2416	3020	3332	3624		
	START/END	○	1346	1923	2500	3078	3847	5386	6732	7694	9617	10609	11541		
	MINIMUM	○	711	1015	1320	1624	2030	2842	3553	4061	5076	5599	6091		
A09H14	START/END	⊙	1081	1544	2007	2470	3087	4322	5403	6175	7719				
	MINIMUM	⊙	558	797	1036	1275	1594	2232	2790	3188	3985				
	START/END	○	1602	2289	2976	3662	4578	6409	8012	9156	11445				
	MINIMUM	○	846	1208	1571	1933	2416	3383	4228	4832	6041				
A09H16	START/END	⊙	1867	2668	3468	4268	5335	7469	9336						
	MINIMUM	⊙	964	1377	1790	2204	2755	3856	4820						
	START/END	○	2372	3388	4405	5422	6777	9488	11860						
	MINIMUM	○	1252	1788	2325	2861	3577	5007	6259						
A09H20	START/END	⊙	2808	4011	5214	6418	8022								
	MINIMUM	⊙	1450	2071	2692	3313	4142								
	START/END	○	3292	4703	6114	7524	9405								
	MINIMUM	○	1737	2482	3227	3971									
A09H16	START/END	⊙	3993	5704	7415	9126									
	MINIMUM	⊙	2061	2945	3828	4712									
	START/END	○	4451	6359	8266	10174									
	MINIMUM	○	2349	3356	4363	5369									
A09H20	START/END	⊙	4948	7069	9189	11310									
	MINIMUM	⊙	2555	3650	4744	5839									
	START/END	○	5386	7694	10002	12310									
	MINIMUM	○	2842	4061	5279	6497									
ACTUATOR MODEL NO.	STROKE POSITION	OPERATING AIR PRESSURE (PSI)													
		PSI	400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
		HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN													
A10P12	START/END	⊙	1199	1713	2227	2740	3426	4796	5995	6851	8564	9447	10277	11647	104519
	MINIMUM	⊙	619	884	1150	1415	1769	2476	3095	3537	4422	4878	5306	6013	53964
	START/END	○	1958	2798	3637	4476	5595	7834	9792	11191	13989	15432	16786	19025	170728
	MINIMUM	○	1034	1477	1920	2363	2953	4134	5168	5906	7383	8145	8860	10041	90106
A10P14	START/END	⊙	2160	3086	4012	4938	6173	8642	10802	12345	15432	17024			
	MINIMUM	⊙	1115	1593	2072	2550	3187	4462	5577	6374	7967	8789			
	START/END	○	2899	4141	5384	6626	8283	11596	14495	16566	20707	22843			
	MINIMUM	○	1530	2186	2841	3497	4372	6120	7650	8743	10929	12056			
A10P16	START/END	⊙	3310	4728	6147	7565	9457	13239	16549	18914					
	MINIMUM	⊙	1709	2441	3174	3906	4883	6836	8545	9765					
	START/END	○	4023	5748	7472	9196	11496	16094	20117	22991					
	MINIMUM	○	2123	3034	3944	4854	6067	8494	10617	12134					
A10P20	START/END	⊙	4758	6797	8836	10875	13594	19032							
	MINIMUM	⊙	2457	3509	4562	5615	7019	9826							
	START/END	○	5440	7772	10103	12434	15543	21760							
	MINIMUM	○	2871	4102	5332	6563	8203	11485							
A10P24	START/END	⊙	5926	8465	11005	13545	16931								
	MINIMUM	⊙	3059	4371	5682	6993	8741								
	START/END	○	6582	9404	12225	15046	18807								
	MINIMUM	○	3474	4963	6452	7941	9926								
A10P28	START/END	⊙	7,886	11,266	14,645	18,025									
	MINIMUM	⊙	4072	5817	7561	9306									
	START/END	○	8500	12143	15786	19429									
	MINIMUM	○	4486	6409	8331	10254									
A10P28	START/END	⊙	11709	16727	21745										
	MINIMUM	⊙	6045	8636	11227										
	START/END	○	12240	17486	22732										
	MINIMUM	○	6460	9229	11997										

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			400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN												
A11H35	START/END	☉	3801	5431	7060	8689	10861	15205	19007	21722	27153	29954	32583	36927	331389
	MINIMUM	☉	1963	2804	3645	4486	5608	7851	9813	11215	14019	15465	16823	19066	171097
	START/END	☉	5121	7315	9510	11705	14631	20483	25604	29262	36577	40350	43892	49745	446410
	MINIMUM	☉	2703	3861	5019	6177	7722	10811	13513	15444	19304	21296	23165	26254	235605
A11H04	START/END	☉	5644	8063	10482	12901	16127	22577	28222	32253	40317	44476			
	MINIMUM	☉	2914	4163	5412	6661	8326	11657	14571	16653	20816	22963			
	START/END	☉	6924	9891	12858	15826	19782	27695	34619	39564	49455	54557			
	MINIMUM	☉	3654	5220	6786	8352	10441	14617	18271	20881	26101	28794			
A11H45	START/END	☉	7131	10187	13243	16299	20373	28523	35653	40747					
	MINIMUM	☉	3682	5259	6837	8415	10519	14726	18408	21038					
	START/END	☉	8378	11968	15559	19149	23936	33511	41888	47872					
	MINIMUM	☉	4422	6317	8211	10106	12633	17686	22108	25266					
A11H05	START/END	☉	9625	13751	17876	22001	27501	38502	48127						
	MINIMUM	☉	4970	7100	9229	11359	14199	19879	24848						
	START/END	☉	10818	15455	20091	24728	30909	43273	54091						
	MINIMUM	☉	5710	8157	10604	13051	16313	22839	28548						
A11H06	START/END	☉	14491	20702	26912	33123	41404								
	MINIMUM	☉	7482	10688	13895	17102	21377								
	START/END	☉	15578	22255	28931	35608	44510								
	MINIMUM	☉	8222	11746	15269	18793	23491								
A11H07	START/END	☉	20242	28917	37592	46267									
	MINIMUM	☉	10451	14930	19409	23888									
	START/END	☉	21204	30291	39379	48466									
	MINIMUM	☉	11191	15987	20783	25579									
A11H08	START/END	☉	26877	38396	49914	61433									
	MINIMUM	☉	13877	19824	25771	31718									
	START/END	☉	27695	39564	51433	63302									
	MINIMUM	☉	14617	20881	27145	33410									
ACTUATOR MODEL NO.	STROKE POSITION	PSI	OPERATING AIR PRESSURE (PSI)												
			400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN												
A12H04	START/END	☉	6446	9208	11970	14733	18416	25783	32228	36832	46040	50790	55248	62615	561907
	MINIMUM	☉	3328	4754	6180	7607	9508	13312	16640	19017	23771	26223	28525	32328	290115
	START/END	☉	8407	12011	15614	19217	24021	33629	42037	48042	60053	66248	72063	81671	732922
	MINIMUM	☉	4437	6339	8241	10142	12678	17749	22186	25356	31694	34964	38033	43104	386820
A12H45	START/END	☉	8250	11786	15322	18858	23573	33002	41252	47145	58932	65011	70718	80147	719241
	MINIMUM	☉	4260	6085	7911	9737	12171	17039	21299	24341	30427	33565	36512	41380	371347
	START/END	☉	10173	14533	18893	23252	29065	40692	50864	58131	72664	80160	87196	98822	886836
	MINIMUM	☉	5369	7670	9971	12272	15340	21476	26845	30680	38350	42306	46020	52156	468052
A12H05	START/END	☉	11280	16114	20948	25783	32228	45119	56399	64456	80570				
	MINIMUM	☉	5824	8320	10816	13312	16640	23295	29119	33279	41599				
	START/END	☉	13136	18766	24396	30026	37533	52546	65682	75066	93832				
	MINIMUM	☉	6933	9904	12876	15847	19809	27733	34666	39618	49522				
A12H06	START/END	☉	17188	24555	31921	39288	49110	68753	85942						
	MINIMUM	☉	8874	12678	16481	20284	25356	35498	44372						
	START/END	☉	18917	27024	35131	43238	54047	75666	94583						
	MINIMUM	☉	9984	14262	18541	22820	28525	39935	49919						
A12H07	START/END	☉	24171	34530	44889	55248	69060								
	MINIMUM	☉	12480	17828	23177	28525	35656								
	START/END	☉	25748	36782	47817	58851	73564								
	MINIMUM	☉	13589	19413	25237	31060	38826								
A12H08	START/END	☉	32228	46040	59852	73664	92081								
	MINIMUM	☉	16640	23771	30902	38033	47542								
	START/END	☉	33629	48042	62455	76867	96084								
	MINIMUM	☉	17749	25356	32962	40569	50711								
A12H09	START/END	☉	41359	59085	76810	94536									
	MINIMUM	☉	21354	30506	39658	48809									
	START/END	☉	42562	60803	79044	97285									
	MINIMUM	☉	22463	32091	41718	51345									

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			400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN												
A13P05	START/END	☉	12462	17803	23144	28485	35606	49849	62311	71213	89016	98199	106819	121061	1086409
	MINIMUM	☉	6434	9192	11949	14707	18384	25737	32171	36767	45959	50700	55151	62504	560917
	START/END	○	15841	22630	29419	36208	45260	63364	79205	90520	113150	124823	135780	153885	1380965
	MINIMUM	○	8361	11944	15527	19110	23887	33442	41803	47775	59718	65879	71662	81217	728843
A13P06	START/END	☉	19587	27982	36376	44771	55963	78349	97936	111927	139908				
	MINIMUM	☉	10113	14447	18781	23115	28894	40452	50565	57788	72235				
	START/END	○	22811	32587	42364	52140	65175	91244	114056	130349	162937				
	MINIMUM	○	12039	17199	22359	27518	34398	48157	60196	68795	85994				
A13P07	START/END	☉	28008	40011	52014	64017	80022	112030							
	MINIMUM	☉	14460	20658	26855	33052	41315	57842							
	START/END	○	31048	44355	57661	70968	88710	124194							
	MINIMUM	○	16387	23410	30432	37455	46819	65547							
A13P08	START/END	☉	37723	53891	70058	86225	107781								
	MINIMUM	☉	19477	27824	36171	44518	55648								
	START/END	○	40553	57933	75313	92693	115866								
	MINIMUM	○	21403	30576	39748	48921	61152								
A13P09	START/END	☉	48735	69621	90507	111394	139242								
	MINIMUM	☉	25162	35946	46729	57513	71891								
	START/END	○	51325	73321	95318	117314	146643								
	MINIMUM	○	27088	38697	50307	61916	77395								
A13P10	START/END	☉	61041	87202	113363	139523									
	MINIMUM	☉	31516	45023	58530	72036									
	START/END	○	63364	90520	117676	144833									
	MINIMUM	○	33442	47775	62107	76439									
ACTUATOR MODEL NO.	STROKE POSITION	PSI	OPERATING AIR PRESSURE (PSI)												
			400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN												
A14H28	START/END	☉	24023	34319	44615	54910	68638	96093	120116	137276	171595	189297	205914	233369	2094260
	MINIMUM	☉	12403	17719	23035	28350	35438	49613	62017	70876	88595	97735	106314	120489	1081276
	START/END	○	30044	42920	55796	68672	85840	120176	150220	171680	214599	236738	257519	291855	2619119
	MINIMUM	○	15857	22652	29448	36243	45304	63426	79283	90609	113261	124945	135913	154035	1382313
A14H32	START/END	☉	35114	50162	65211	80260	100324	140454	175568	200649	250811	276685	300973	341103	
	MINIMUM	☉	18129	25899	33669	41438	51798	72517	90646	103596	129495	142854	155394	176113	
	START/END	○	40893	58419	75944	93470	116837	163572	204466	233675	292094	322226	350512	397247	
	MINIMUM	○	21582	30832	40082	49331	61664	86330	107912	123328	154161	170064	184993	209658	
A14H36	START/END	☉	47910	68443	88976	109509	136886	191640	239550	273772	342214	377518	410657	465412	
	MINIMUM	☉	24736	35337	45939	56540	70675	98945	123681	141349	176687	194914	212024	240294	
	START/END	○	53411	76302	99193	122083	152604	213646	267057	305208	381510	420867	457812	518854	
	MINIMUM	○	28189	40271	52352	64433	80541	112757	140947	161082	201353	222124	241623	273839	
A14H40	START/END	☉	62413	89161	115909	142658	178322	249651	312064	356644	445805	491795	534966	606295	
	MINIMUM	☉	32224	46034	59844	73655	92068	128896	161120	184137	230171	253916	276205	313033	
	START/END	○	67599	96570	125541	154512	193139	270395	337994	386279	482849	532660	579418	656674	
	MINIMUM	○	35677	50967	66258	81548	101935	142709	178386	203869	254837	281126	305804	346578	
A14H32	START/END	☉	78622	112317	146012	179706	224633	314486	393108	449266	561583	619516	673899	763752	
	MINIMUM	☉	40593	57990	75386	92783	115979	162371	202963	231958	289948	319859	347937	394329	
	START/END	○	83455	119222	154988	190755	238444	333821	417277	476888	596109	657605	715331	810709	
	MINIMUM	○	44046	62923	81799	100676	125845	176183	220229	251691	314613	347069	377536	427874	
A14H36	START/END	☉	116158	165940	215722	265504	331880	464632	580790	663760	829699	915293	995639	1128391	
	MINIMUM	☉	59973	85675	111378	137081	171351	239891	299864	342702	428377	472570	514053	582593	
	START/END	○	120176	171680	223183	274687	343359	480703	600878	686718	858398	946951	1030077	1167421	
	MINIMUM	○	63426	90609	117791	144974	181217	253704	317130	362435	453043	499780	543652	616139	
A14H40	START/END	☉	160519	229313											
	MINIMUM	☉	82877	118395											
	START/END	○	163572	233675											
	MINIMUM	○	86330	123328											

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ACTUATOR MODEL NO.	STROKE POSITION	OPERATING AIR PRESSURE (PSI)													
		PSI	400	508	750	1000	1160	2000	2500	2750	3500	3750	4000	4750	5000
		HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN IB-IN													
A15H40	START/END	⊙	54831	78330	101829	125328	156660	219323	274154	313319	391649	432052	469979	532643	4779956
	MINIMUM	⊙	28309	40442	52575	64707	80884	113238	141547	161768	202210	223070	242652	275006	2467912
	START/END	○	67259	96084	124909	153734	192168	269035	336294	384336	480420	529981	576504	653371	5863377
	MINIMUM	○	35498	50711	65924	81138	101422	141991	177489	202844	253555	279712	304266	344835	3094560
A15H44	START/END	⊙	73094	104419	135745	167071	208839	292374	365468	417677	522096	575957	626516	710051	6372025
	MINIMUM	⊙	37738	53912	70086	86259	107824	150954	188692	215649	269561	297369	323473	366602	3289904
	START/END	○	85124	121606	158088	194570	243213	340498	425622	486425	608032	670757	729638	826923	7420837
	MINIMUM	○	44927	64181	83435	102690	128362	179707	224634	256724	320906	354011	385087	436432	3916553
A15H48	START/END	⊙	93505	133578	173652	213725	267156	374019	467523	534312	667891	736791	801469	908331	8151398
	MINIMUM	⊙	48277	68967	89657	110347	137934	193107	241384	275868	344835	380409	413802	468975	4208602
	START/END	○	105092	150131	195171	240210	300263	420368	525459	600525	750656	828095	900788	1020893	9161527
	MINIMUM	○	55465	79236	103007	126778	158472	221861	277326	316944	396180	437050	475416	538804	4835250
A15H52	START/END	⊙	140773	201104	261435	321766	402208	563091	703863	804415	1005519	1109250	1206623	1367506	12272049
	MINIMUM	⊙	72682	103831	134980	166129	207662	290726	363408	415323	519154	572711	622985	706049	6336112
	START/END	○	151332	216189	281046	345902	432378	605329	756662	864756	1080945	1192457	1297134	1470085	13192599
	MINIMUM	○	79870	114100	148330	182560	228200	319479	399349	456399	570499	629352	684599	775878	6962761
A15H44	START/END	⊙	196635	280907	365179	449451	561814	786539	983174	1123628	1404535	1549429	1685441	1910167	17141910
	MINIMUM	⊙	101523	145033	188543	232054	290067	406094	507617	580134	725167	799977	870201	986228	8850442
	START/END	○	205980	294257	382534	470812	588515	823920	1029900	1177029	1471286	1623066	1765544	2000949	17956593
	MINIMUM	○	108712	155302	201893	248484	310605	434847	543559	621210	776512	856618	931815	1056057	9477091
A15H48	START/END	⊙	261091	372987	484884	596780	745975	1044365	1305456	1491950	1864937	2057327	2237924	2536314	22760980
	MINIMUM	⊙	134803	192575	250348	308120	385150	539210	674013	770300	962875	1062207	1155450	1309510	11751593
	START/END	○	269035	384336	499637	614938	768672	1076141	1345176	1537344	1921680	2119924	2306016	2613485	23453510
	MINIMUM	○	141991	202844	263697	324550	405688	567963	709954	811376	1014220	1118849	1217064	1379339	12378241
A15H52	START/END	⊙	334142	477345	620549	763752	954691	1336567	1670709	1909381	2386727	2632945	2864072	3245948	29129259
	MINIMUM	⊙	172519	246455	320392	394329	492911	690075	862594	985822	1232277	1359401	1478733	1675897	15039563
	START/END	○	340498	486425	632353	778280	972851	1361991	1702488	1945701	2432126	2683028	2918552	3307692	29683348
	MINIMUM	○	179707	256724	333742	410759	513449	718828	898536	1026898	1283622	1416043	1540347	1745726	15666211