CREDENCE A-SERIES SCOTCH YOKE ACTUATOR

HYDRAULIC DOUBLE ACTING SCOTCH YOKE ACTUATOR TORQUES.
TORQUE DATA IN METRIC (Nm)

ACTUATOR MODEL NO.	STROKE POSITION	BAR	OPERATING AIR PRESSURE (BAR)											
			35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A07H15	START/END	⦿	182	260	338	416	520	728	910	1040	1300	1434	1560	1768
	MINIMUM		94	134	175	215	268	376	470	537	671	740	805	913
	START/END	○	363	519	675	831	1039	1454	1817	2077	2596	2864	3116	3531
	MINIMUM		192	274	356	439	548	767	959	1096	1370	1512	1644	1864
A07H17	START/END	⦿	320	458	595	732	915	1281	1602	1830	2288	2524	2746	3112
	MINIMUM		165	236	307	378	473	662	827	945	1181	1303	1418	1607
	START/END	○	499	713	926	1140	1425	1995	2494	2850	3563	3930	4275	4846
	MINIMUM		263	376	489	602	752	1053	1316	1504	1880	2074	2256	2557
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	BAR	OPERATING AIR PRESSURE (BAR)											
			35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
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											

ACTUATOR MODEL NO.	STROKE POSITION		OPERATING AIR PRESSURE (BAR)											
		BAR	35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A09H10	START/END	⊙	491	701	912	1122	1403	1964	2455	2805	3507	3868	4208	4769
	MINIMUM	⊙	253	362	471	579	724	1014	1267	1448	1810	1997	2173	2462
	START/END	○	1025	1465	1904	2344	2930	4102	5127	5860	7325	8081	8790	9962
	MINIMUM	○	541	773	1005	1237	1546	2165	2706	3093	3866	4265	4639	5258
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 (BAR)											
		BAR	35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A10P12	START/END	⊙	1199	1713	2227	2740	3426	4796	5995	6851	8564	9447	10277	11647
	MINIMUM	⊙	619	884	1150	1415	1769	2476	3095	3537	4422	4878	5306	6013
	START/END	○	1958	2798	3637	4476	5595	7834	9792	11191	13989	15432	16786	19025
	MINIMUM	○	1034	1477	1920	2363	2953	4134	5168	5906	7383	8145	8860	10041
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									

ACTUATOR MODEL NO.	STROKE POSITION	BAR	OPERATING AIR PRESSURE (BAR) 35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A11H35	START/END	⦿	3801	5431	7060	8689	10861	15205	19007	21722	27153	29954	32583	36927
	MINIMUM	⦿	1963	2804	3645	4486	5608	7851	9813	11215	14019	15465	16823	19066
	START/END	○	5121	7315	9510	11705	14631	20483	25604	29262	36577	40350	43892	49745
	MINIMUM	○	2703	3861	5019	6177	7722	10811	13513	15444	19304	21296	23165	26254
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	BAR	OPERATING AIR PRESSURE (BAR) 35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A12H04	START/END	⦿	6446	9208	11970	14733	18416	25783	32228	36832	46040	50790	55248	62615
	MINIMUM	⦿	3328	4754	6180	7607	9508	13312	16640	19017	23771	26223	28525	32328
	START/END	○	8407	12011	15614	19217	24021	33629	42037	48042	60053	66248	72063	81671
	MINIMUM	○	4437	6339	8241	10142	12678	17749	22186	25356	31694	34964	38033	43104
A12H45	START/END	⦿	8250	11786	15322	18858	23573	33002	41252	47145	58932	65011	70718	80147
	MINIMUM	⦿	4260	6085	7911	9737	12171	17039	21299	24341	30427	33565	36512	41380
	START/END	○	10173	14533	18893	23252	29065	40692	50864	58131	72664	80160	87196	98822
	MINIMUM	○	5369	7670	9971	12272	15340	21476	26845	30680	38350	42306	46020	52156
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								

ACTUATOR MODEL NO.	STROKE POSITION		OPERATING AIR PRESSURE (BAR)											
		BAR	35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A13P05	START/END	⦿	12462	17803	23144	28485	35606	49849	62311	71213	89016	98199	106819	121061
	MINIMUM		6434	9192	11949	14707	18384	25737	32171	36767	45959	50700	55151	62504
	START/END	○	15841	22630	29419	36208	45260	63364	79205	90520	113150	124823	135780	153885
	MINIMUM		8361	11944	15527	19110	23887	33442	41803	47775	59718	65879	71662	81217
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	140038	160043	200054			
	MINIMUM		14460	20658	26855	33052	41315	57842	72302	82631	103289			
	START/END	○	31048	44355	57661	70968	88710	124194	155242	177420	221775			
	MINIMUM		16387	23410	30432	37455	46819	65547	81933	93638	117048			
A13P08	START/END	⦿	37723	53891	70058	86225	107781	150894						
	MINIMUM		19477	27824	36171	44518	55648	77907						
	START/END	○	40553	57933	75313	92693	115866	162212						
	MINIMUM		21403	30576	39748	48921	61152	85612						
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		OPERATING AIR PRESSURE (BAR)											
		BAR	35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A14H28	START/END	⦿	24023	34319	44615	54910	68638	96093	120116	137276	171595	189297	205914	233369
	MINIMUM		12403	17719	23035	28350	35438	49613	62017	70876	88595	97735	106314	120489
	START/END	○	30044	42920	55796	68672	85840	120176	150220	171680	214599	236738	257519	291855
	MINIMUM		15857	22652	29448	36243	45304	63426	79283	90609	113261	124945	135913	154035
A14H32	START/END	⦿	35114	50162	65211	80260	100324	140454	175568	200649	250811			
	MINIMUM		18129	25899	33669	41438	51798	72517	90646	103596	129495			
	START/END	○	40893	58419	75944	93470	116837	163572	204466	233675	292094			
	MINIMUM		21582	30832	40082	49331	61664	86330	107912	123328	154161			
A14H36	START/END	⦿	47910	68443	88976	109509	136886	191640	239550	273772				
	MINIMUM		24736	35337	45939	56540	70675	98945	123681	141349				
	START/END	○	53411	76302	99193	122083	152604	213646	267057	305208				
	MINIMUM		28189	40271	52352	64433	80541	112757	140947	161082				
A14H40	START/END	⦿	62413	89161	115909	142658	178322	249651						
	MINIMUM		32224	46034	59844	73655	92068	128896						
	START/END	○	67599	96570	125541	154512	193139	270395						
	MINIMUM		35677	50967	66258	81548	101935	142709						
A14H32	START/END	⦿	78622	112317	146012	179706	224633							
	MINIMUM		40593	57990	75386	92783	115979							
	START/END	○	83455	119222	154988	190755	238444							
	MINIMUM		44046	62923	81799	100676	125845							
A14H36	START/END	⦿	116158	165940	215722	265504								
	MINIMUM		59973	85675	111378	137081								
	START/END	○	120176	171680	223183	274687								
	MINIMUM		63426	90609	117791	144974								
A14H40	START/END	⦿	160519	229313	298107									
	MINIMUM		82877	118395	153914									
	START/END	○	163572	233675	303777									
	MINIMUM		86330	123328	160327									

ACTUATOR MODEL NO.	STROKE POSITION		OPERATING AIR PRESSURE (BAR)											
		BAR	35.0	50.0	65.0	80.0	100.0	140.0	175.0	200.0	250	275.8	300.0	340.0
			HYDRAULIC DOUBLEACTING TORQUE OUTPUT START/MINIMUM/END IN NM											
A15H40	START/END	⦿	54831	78330	101829	125328	156660	219323	274154	313319	391649	432052	469979	532643
	MINIMUM		28309	40442	52575	64707	80884	113238	141547	161768	202210	223070	242652	275006
	START/END	○	67259	96084	124909	153734	192168	269035	336294	384336	480420	529981	576504	653371
	MINIMUM		35498	50711	65924	81138	101422	141991	177489	202844	253555	279712	304266	344835
A15H44	START/END	⦿	73094	104419	135745	167071	208839	292374	365468	417677	522096			
	MINIMUM		37738	53912	70086	86259	107824	150954	188692	215649	269561			
	START/END	○	85124	121606	158088	194570	243213	340498	425622	486425	608032			
	MINIMUM		44927	64181	83435	102690	128362	179707	224634	256724	320906			
A15H48	START/END	⦿	93505	133578	173652	213725	267156	374019	467523	534312				
	MINIMUM		48277	68967	89657	110347	137934	193107	241384	275868				
	START/END	○	105092	150131	195171	240210	300263	420368	525459	600525				
	MINIMUM		55465	79236	103007	126778	158472	221861	277326	316944				
A15H52	START/END	⦿	140773	201104	261435	321766	402208	563091						
	MINIMUM		72682	103831	134980	166129	207662	290726						
	START/END	○	151332	216189	281046	345902	432378	605329						
	MINIMUM		79870	114100	148330	182560	228200	319479						
A15H44	START/END	⦿	196635	280907	365179	449451	561814							
	MINIMUM		101523	145033	188543	232054	290067							
	START/END	○	205980	294257	382534	470812	588515							
	MINIMUM		108712	155302	201893	248484	310605							
A15H48	START/END	⦿	261091	372987	484884	596780								
	MINIMUM		134803	192575	250348	308120								
	START/END	○	269035	384336	499637	614938								
	MINIMUM		141991	202844	263697	324550								
A15H52	START/END	⦿	334142	477345	620549									
	MINIMUM		172519	246455	320392									
	START/END	○	340498	486425	632353									
	MINIMUM		179707	256724	333742									