

SINGLE ACTING SPRING RETURN TORQUE RATINGS IN-LBS																		
	SUPPLY PRESSURE PSIG																	
MODEL	40		50		60		70		80		90		100		115		SPRING	
	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END
JFC050SR05	57	42	79	64	101	86	123	108	145	130	167	152	189	174	222	207	46	31
JFC050SR06	51	33	73	55	95	77	117	99	139	121	161	143	183	165	216	198	55	37
JFC050SR07	45	24	67	46	88	68	110	90	132	112	154	134	176	156	209	189	64	43
JFC050SR08			60	37	82	59	104	81	126	103	148	125	170	147	203	180	73	50
JFC050SR09					76	50	98	72	120	93	142	115	164	137	197	170	82	56
JFC050SR10							92	63	114	85	136	107	158	129	191	162	91	62
JFC050SR11									108	76	130	98	152	120	185	153	100	68
JFC050SR12									101	66	123	88	145	110	178	143	110	74
JFC065SR05	101	62	146	107	190	151	235	196	279	240	324	285	368	329	435	396	116	77
JFC065SR06	86	39	130	84	175	128	219	173	264	217	308	262	353	306	420	373	139	92
JFC065SR07			115	61	159	105	204	150	248	194	293	239	337	283	404	350	162	108
JFC065SR08					144	81	189	126	233	170	278	215	322	259	389	326	186	123
JFC065SR09							173	103	217	147	262	192	306	236	373	303	209	139
JFC065SR10							158	80	202	124	247	169	291	213	358	280	232	154
JFC065SR11									187	101	231	146	276	190	343	257	255	169
JFC065SR12									171	78	216	123	260	167	327	234	278	185
JFC075SR05	182	127	251	196	320	265	389	334	458	404	528	473	597	542	700	646	150	95
JFC075SR06	163	98	232	167	302	236	371	305	440	374	509	443	578	513	682	616	179	113
JFC075SR07			213	137	282	206	351	275	420	344	490	413	559	483	662	586	209	133
JFC075SR08			194	107	264	176	333	245	402	314	471	383	540	452	644	556	239	151
JFC075SR09					244	147	313	216	382	285	451	354	521	423	624	527	268	171
JFC075SR10							295	186	364	255	433	324	502	393	606	497	298	189
JFC075SR11									345	225	414	294	483	363	587	467	328	208
JFC075SR12									326	196	395	265	464	334	568	438	358	227
JFC085SR05	259	175	360	276	462	378	563	479	665	581	766	682	867	783	1020	936	231	147
JFC085SR06	230	129	331	230	433	332	534	433	635	534	737	636	838	737	990	890	277	176
JFC085SR07			302	184	403	286	505	387	606	488	708	590	809	691	961	843	323	205
JFC085SR08			273	138	374	240	476	341	577	442	678	544	780	645	932	797	369	235
JFC085SR09					345	194	446	295	548	396	649	498	751	599	903	751	415	264
JFC085SR10							417	249	519	350	620	452	721	553	874	705	461	293
JFC085SR11									489	304	591	406	692	507	844	659	507	322
JFC085SR12									460	258	562	360	663	461	815	613	553	351
JFC095SR05	375	262	517	404	660	547	803	689	945	832	1088	975	1231	1117	1444	1331	309	196
JFC095SR06	336	200	479	343	621	486	764	628	906	771	1049	914	1192	1056	1406	1270	370	235
JFC095SR07			440	281	582	424	725	566	867	709	1010	852	1153	994	1367	1208	432	273
JFC095SR08					542	362	685	504	828	647	970	790	1113	932	1327	1146	494	313
JFC095SR09					503	301	646	443	789	586	931	729	1074	871	1288	1085	555	352
JFC095SR10							607	381	750	524	892	667	1035	809	1249	1023	617	391
JFC095SR11									711	462	853	605	996	747	1210	961	679	430
JFC095SR12									672	401	814	544	957	686	1171	900	740	469
JFC110SR05	491	338	677	524	863	710	1049	896	1235	1082	1421	1268	1607	1454	1886	1733	406	253

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JFC110SR06	440	257	626	443	812	629	998	815	1184	1001	1370	1187	1557	1373	1836	1652	487	304
JFC110SR07			576	362	762	548	948	734	1134	920	1320	1106	1506	1292	1785	1571	568	354
JFC110SR08			525	280	711	466	897	652	1083	838	1269	1024	1455	1210	1734	1489	650	405
JFC110SR09					660	386	846	572	1032	758	1218	944	1404	1130	1683	1409	730	456
JFC110SR10							796	490	982	676	1168	862	1354	1048	1633	1327	812	506
JFC110SR11							745	409	931	595	1117	781	1303	967	1582	1246	893	557
JFC110SR12									881	514	1067	700	1253	886	1532	1166	974	607
JFC125SR05	878	616	1210	948	1542	1280	1875	1613	2207	1945	2539	2277	2871	2609	3370	3108	713	451
JFC125SR06	787	473	1120	806	1452	1138	1784	1470	2117	1802	2449	2135	2781	2467	3280	2965	856	542
JFC125SR07			1029	663	1362	995	1694	1328	2026	1660	2359	1992	2691	2324	3189	2823	998	632
JFC125SR08			939	521	1271	853	1604	1185	1936	1517	2268	1850	2601	2182	3099	2680	1141	722
JFC125SR09					1181	710	1513	1043	1846	1375	2178	1707	2510	2039	3009	2538	1283	813
JFC125SR10							1423	900	1755	1232	2088	1565	2420	1897	2918	2395	1426	903
JFC125SR11							1333	758	1665	1090	1998	1422	2330	1754	2828	2253	1568	993
JFC125SR12									1575	947	1907	1280	2240	1612	2738	2110	1711	1083
JFC140SR05	1234	879	1724	1369	2215	1860	2705	2350	3196	2841	3687	3332	4177	3822	4913	4558	1083	728
JFC140SR06	1089	663	1579	1153	2070	1644	2560	2135	3051	2625	3541	3116	4032	3606	4768	4342	1299	874
JFC140SR07			1433	937	1924	1427	2414	1918	2905	2408	3395	2899	3886	3389	4622	4125	1516	1020
JFC140SR08			1288	720	1779	1210	2269	1701	2760	2191	3250	2682	3741	3172	4477	3908	1733	1165
JFC140SR09					1632	994	2123	1485	2614	1975	3104	2466	3595	2957	4331	3692	1949	1311
JFC140SR10							1978	1268	2468	1759	2959	2249	3450	2740	4185	3475	2166	1456
JFC140SR11									2322	1542	2813	2032	3303	2523	4039	3259	2383	1602
JFC140SR12									2177	1326	2668	1816	3158	2307	3894	3043	2599	1747
JFC160SR05	1748	1285	2429	1966	3109	2646	3790	3327	4470	4007	5150	4687	5831	5368	6852	6389	1437	974
JFC160SR06	1553	998	2234	1679	2914	2359	3595	3040	4275	3720	4956	4401	5636	5081	6657	6102	1723	1168
JFC160SR07			2039	1391	2720	2072	3400	2752	4081	3433	4761	4113	5441	4794	6462	5814	2011	1363
JFC160SR08			1844	1105	2525	1785	3205	2465	3886	3146	4566	3826	5247	4507	6267	5527	2298	1558
JFC160SR09					2330	1497	3011	2178	3691	2858	4372	3539	5052	4219	6073	5240	2585	1752
JFC160SR10							2816	1891	3496	2571	4177	3252	4857	3932	5878	4953	2872	1947
JFC160SR11									3302	2284	3982	2964	4663	3645	5683	4665	3160	2142
JFC160SR12									3107	1997	3787	2677	4468	3358	5488	4379	3447	2337
JFC190SR05	2673	1970	3744	3041	4814	4111	5885	5182	6955	6253	8026	7323	9096	8394	10702	9999	2312	1609
JFC190SR06	2352	1508	3422	2579	4493	3649	5563	4720	6634	5791	7705	6861	8775	7932	10381	9537	2774	1930
JFC190SR07			3100	2117	4171	3187	5241	4258	6312	5329	7382	6399	8453	7470	10059	9075	3236	2253
JFC190SR08			2779	1655	3849	2725	4920	3796	5991	4866	7061	5937	8132	7008	9738	8613	3698	2574
JFC190SR09					3527	2262	4598	3333	5668	4404	6739	5474	7810	6545	9415	8151	4161	2896
JFC190SR10							4277	2871	5347	3942	6418	5012	7488	6083	9094	7689	4623	3217
JFC190SR11									5025	3480	6095	4550	7166	5621	8772	7226	5085	3540
JFC190SR12									4698	2999	5769	4069	6839	5140	8445	6746	5566	3866
JFC210SR05	3806	2800	5301	4294	6795	5789	8290	7283	9784	8778	11279	10272	12773	11767	15015	14009	3178	2172
JFC210SR06	3371	2164	4866	3659	6360	5153	7855	6648	9349	8142	10844	9637	12339	11131	14580	13373	3814	2607

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	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END
JFC210SR07			4431	3023	5926	4518	7420	6012	8915	7507	10409	9001	11904	10496	14146	12738	4449	3041
JFC210SR08			3998	2387	5492	3881	6987	5376	8481	6870	9976	8365	11470	9859	13712	12101	5086	3475
JFC210SR09					5058	3246	6552	4740	8047	6235	9541	7729	11036	9224	13277	11466	5721	3909
JFC210SR10							6118	4105	7612	5599	9107	7094	10601	8588	12843	10830	6357	4344
JFC210SR11									7177	4964	8672	6458	10166	7953	12408	10195	6992	4779
JFC210SR12									6743	4328	8237	5823	9732	7317	11974	9559	7628	5213
JFC240SR05	5641	4370	7959	6689	10277	9007	12596	11326	14914	13644	17233	15963	19551	18281	23029	21759	4903	3633
JFC240SR06	4914	3390	7232	5708	9551	8027	11869	10345	14188	12664	16506	14982	18825	17300	22302	20778	5884	4360
JFC240SR07			6506	4727	8824	7046	11143	9364	13461	11683	15779	14001	18098	16320	21576	19797	6865	5087
JFC240SR08			5779	3747	8097	6065	10416	8384	12734	10702	15053	13021	17371	15339	20849	18817	7846	5813
JFC240SR09					7371	5085	9689	7403	12008	9721	14326	12040	16645	14358	20122	17836	8826	6540
JFC240SR10							8963	6422	11281	8741	13599	11059	15918	13378	19396	16855	9807	7267
JFC240SR11									10554	7760	12873	10079	15191	12397	18669	15875	10788	7993
JFC240SR12									9828	6779	12146	9098	14465	11416	17942	14894	11768	8720
JFC270SR05	8086	6082	11346	9341	14606	12601	17865	15860	21125	19120	24384	22380	27644	25639	32533	30529	6957	4952
JFC270SR06	7096	4690	10355	7950	13615	11209	16875	14469	20134	17729	23394	20988	26654	24248	31543	29137	8348	5943
JFC270SR07			9365	6558	12625	9818	15884	13078	19144	16337	22403	19597	25663	22856	30553	27746	9740	6933
JFC270SR08			8375	5167	11634	8427	14894	11686	18153	14946	21413	18205	24673	21465	29562	26354	11131	7923
JFC270SR09					10644	7035	13903	10295	17163	13554	20423	16814	23682	20074	28572	24963	12522	8914
JFC270SR10							12913	8903	16173	12163	19432	15423	22692	18682	27581	23572	13914	9904
JFC270SR11									15182	10772	18442	14031	21701	17291	26591	22180	15305	10895
JFC270SR12									14192	9380	17451	12640	20711	15900	25600	20789	16697	11885
JFC300SR05	10659	7643	14853	11837	19047	16031	23241	20225	27435	24419	31629	28613	35823	32807	42114	39098	9133	6117
JFC300SR06	9436	5816	13630	10010	17824	14204	22018	18398	26212	22592	30406	26786	34600	30980	40891	37271	10960	7340
JFC300SR07			12407	8183	16601	12377	20795	16571	24989	20765	29183	24959	33377	29153	39668	35444	12787	8563
JFC300SR08			11182	6357	15376	10551	19570	14745	23764	18939	27958	23133	32152	27327	38443	33618	14613	9787
JFC300SR09					14153	8724	18347	12918	22541	17112	26735	21306	30929	25500	37220	31791	16440	11011
JFC300SR10							17124	11091	21318	15285	25512	19479	29706	23673	35997	29964	18267	12234
JFC300SR11									20095	13458	24289	17652	28483	21846	34774	28137	20094	13457
JFC300SR12									18872	11632	23066	15825	27260	20019	33551	26310	21920	14680
JFC350SR05	16096	11837	22321	18061	28545	24286	34769	30510	40993	36734	47217	42958	53442	49183	62778	58519	13060	8801
JFC350SR06	14336	9226	20560	15450	26784	21675	33009	27899	39233	34123	45457	40347	51681	46572	61018	55908	15671	10561
JFC350SR07			18801	12838	25025	19063	31249	25287	37473	31511	43697	37735	49922	43960	59258	53296	18283	12321
JFC350SR08			17040	10227	23264	16451	29489	22675	35713	28899	41937	35123	48161	41348	57498	50684	20895	14081
JFC350SR09					21505	13839	27729	20063	33953	26287	40177	32512	46402	38736	55738	48072	23506	15841
JFC350SR10							25968	17451	32193	23675	38417	29900	44641	36124	53977	45460	26118	17601
JFC350SR11									30432	21063	36656	27288	42881	33512	52217	42848	28730	19362
JFC350SR12									28673	18452	34897	24676	41121	30900	50457	40236	31342	21121
JFC400SR05	23989	17572	33473	27056	42958	36541	52442	46025	61927	55510	71411	64994	80896	74479	95123	88706	20366	13949
JFC400SR06	21201	13500	30685	22985	40170	32469	49654	41954	59139	51438	68623	60923	78108	70407	92334	84634	24438	16737
JFC400SR07			27897	18913	37382	28398	46866	37882	56351	47367	65835	56851	75320	66336	89546	80563	28509	19525

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	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END
JFC400SR08			25100	14833	34585	24318	44069	33802	53554	43287	63038	52771	72523	62256	86750	76482	32589	22322
JFC400SR09					31797	20246	41281	29731	50766	39215	60250	48700	69735	58184	83961	72411	36661	25110
JFC400SR10							38493	25659	47978	35144	57462	44628	66947	54113	81173	68339	40732	27898
JFC400SR11									45190	31072	54674	40557	64159	50041	78385	64268	44804	30686
JFC400SR12									42402	27001	51886	36485	61371	45970	75597	60197	48875	33474