

Torque Ratings: PNS-0.4

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-0.4-44-SRC0A	Start	435		301	483	665	847	1121
	Min.	195		109	217	325	432	594
	End	222		66	248	430	612	885
PNS-0.4-44-SRC1A	Start	408		206	388	570	752	1025
	Min.	212		89	197	305	413	575
	End	308		95	277	459	642	915
PNS-0.4-44-SRC2A	Start	565			253	435	617	890
	Min.	295			106	214	322	484
	End	430			104	286	468	741
PNS-0.4-44-SRC3A	Start	746				275	457	730
	Min.	391				107	215	377
	End	575				86	269	542
PNS-0.4-44-SRC4A	Start	968					270	543
	Min.	507					87	248
	End	744					22	295
PNS-0.4-78-SRC0A	Start	435	402	726	1050	1373	1697	2183
	Min.	195	169	361	552	744	936	1224
	End	222	167	491	814	1138	1462	1948
PNS-0.4-78-SRC1A	Start	408	307	631	954	1278	1602	2087
	Min.	212	149	341	533	725	916	1204
	End	308	196	520	844	1168	1491	1977
PNS-0.4-78-SRC2A	Start	565	172	496	820	1143	1467	1953
	Min.	295	58	250	442	633	825	1113
	End	430	23	347	671	994	1318	1804
PNS-0.4-78-SRC3A	Start	746		335	659	983	1307	1792
	Min.	391		143	335	527	718	1006
	End	575		147	471	795	1118	1604
PNS-0.4-78-SRC4A	Start	968			472	796	1120	1605
	Min.	507			206	398	590	878
	End	744			225	548	872	1358
PNS-0.4-78-SRC5A	Start	1311				527	851	1336
	Min.	681				206	398	686
	End	988				169	493	979
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

PN-SRT-1

Torque Ratings: PNS-0.4

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-0.4-78-SRC6A	Start	1738					393	879
	Min.	930					123	411
	End	1401					21	507
PNS-0.4-122-SRC0A	Start	435	766	1272	1778	2284	2790	3549
	Min.	195	384	684	984	1284	1584	2033
	End	222	531	1037	1543	2049	2555	3313
PNS-0.4-122-SRC1A	Start	408	671	1177	1683	2188	2694	3453
	Min.	212	365	665	964	1264	1564	2014
	End	308	561	1066	1572	2078	2584	3343
PNS-0.4-122-SRC2A	Start	565	536	1042	1548	2054	2560	3318
	Min.	295	274	573	873	1173	1473	1922
	End	430	387	893	1399	1905	2411	3169
PNS-0.4-122-SRC3A	Start	746	376	882	1387	1893	2399	3158
	Min.	391	167	467	766	1066	1366	1816
	End	575	188	693	1199	1705	2211	2970
PNS-0.4-122-SRC4A	Start	968		695	1201	1706	2212	2971
	Min.	507		338	638	938	1238	1687
	End	744		447	953	1459	1965	2723
PNS-0.4-122-SRC5A	Start	1311		426	932	1438	1943	2702
	Min.	681		146	446	746	1046	1495
	End	988		68	574	1080	1586	2344
PNS-0.4-122-SRC6A	Start	1738			474	980	1486	2245
	Min.	930			171	471	770	1220
	End	1401			102	608	1114	1872
PNS-0.4-201-SRC0A	Start	435	1412	2241	3070			
	Min.	195	767	1258	1749			
	End	222	1177	2006	2835			
PNS-0.4-201-SRC1A	Start	408	1317	2146	2974			
	Min.	212	748	1239	1730			
	End	308	1206	2035	2864			
PNS-0.4-201-SRC2A	Start	565	1182	2011	2840			
	Min.	295	656	1148	1639			
	End	430	1033	1862	2691			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-0.4

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-0.4-201-SRC3A	Start	746	1022	1850	2679	3508		
	Min.	391	550	1041	1532	2023		
	End	575	833	1662	2491	3320		
PNS-0.4-201-SRC4A	Start	968	835	1664	2492	3321		
	Min.	507	421	912	1404	1895		
	End	744	587	1416	2245	3073		
PNS-0.4-201-SRC5A	Start	1311	566	1395	2223	3052		
	Min.	681	229	720	1212	1703		
	End	988	208	1037	1866	2694		
PNS-0.4-201-SRC6A	Start	1738		937	1766	2595	3424	
	Min.	930		445	936	1427	1918	
	End	1401		565	1394	2222	3051	
PNS-0.4-314-SRC0A	Start	435	2345					
	Min.	195	1320					
	End	222	2109					
PNS-0.4-314-SRC1A	Start	408	2249	3544				
	Min.	212	1300	2067				
	End	308	2139	3434				
PNS-0.4-314-SRC2A	Start	565	2115	3409				
	Min.	295	1209	1976				
	End	430	1966	3261				
PNS-0.4-314-SRC3A	Start	746	1954	3249				
	Min.	391	1102	1870				
	End	575	1766	3061				
PNS-0.4-314-SRC4A	Start	968	1767	3062				
	Min.	507	974	1741				
	End	744	1520	2814				
PNS-0.4-314-SRC5A	Start	1311	1498	2793				
	Min.	681	782	1549				
	End	988	1141	2435				
PNS-0.4-314-SRC6A	Start	1738	1041	2336				
	Min.	930	506	1274				
	End	1401	668	1963				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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PN-SRT-1

Torque Ratings: PNS-1

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-1-44-SRC1B	Start	621		471	762	1053	1345	1782
	Min.	292		195	368	541	713	972
	End	365		188	479	771	1062	1499
PNS-1-44-SRC2B	Start	877			577	869	1160	1597
	Min.	418			229	402	574	833
	End	532			196	487	779	1216
PNS-1-44-SRC3B	Start	1170				645	936	1373
	Min.	564				239	412	671
	End	735				163	455	892
PNS-1-44-SRC4B	Start	1484					741	1179
	Min.	710					252	511
	End	911					108	545
PNS-1-44-SRC5B	Start	1773						948
	Min.	857						348
	End	1120						225
PNS-1-78-SRC1B	Start	621	632.6	966	1669	2187	2705	3481
	Min.	292	291.1	459	905	1212	1519	1979
	End	365	350.0	585	1386	1904	2422	3199
PNS-1-78-SRC2B	Start	877	447.9	742	1484	2002	2520	3297
	Min.	418	152.4	297	766	1073	1380	1841
	End	532	66.5	260	1102	1620	2138	2915
PNS-1-78-SRC3B	Start	1170			1260	1778	2296	3073
	Min.	564			604	911	1218	1678
	End	735			778	1296	1814	2591
PNS-1-78-SRC4B	Start	1484			1065	1583	2101	2878
	Min.	710			443	750	1057	1518
	End	911			431	949	1467	2244
PNS-1-78-SRC5B	Start	1773			834	1352	1870	2647
	Min.	857			280	587	894	1355
	End	1120			112	630	1148	1925
PNS-1-78-SRC6B	Start	2066				1222	1740	2517
	Min.	979				453	760	1220
	End	1237				307	825	1602
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-1

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-1-78-SRC7B	Start	2375					1436	2213
	Min.	1152					568	1029
	End	1513					482	1259
PNS-1-78-SRC8B	Start	2512					1285	2062
	Min.	1233					479	940
	End	1649					332	1109
PNS-1-78-SRC9B	Start	2648					1135	1912
	Min.	1313					390	850
	End	1785					181	958
PNS-1-78-SRC10B	Start	3382		1151				1351
	Min.	1682		598				444
	End	2293		868				146
PNS-1-122-SRC1B	Start	621	1215	2025	2834	3643	4453	5667
	Min.	292	636	1116	1596	2075	2555	3274
	End	365	933	1742	2551	3361	4170	5384
PNS-1-122-SRC2B	Start	877	1031	1840	2649	3459	4268	5482
	Min.	418	498	977	1457	1937	2416	3136
	End	532	649	1459	2268	3077	3887	5101
PNS-1-122-SRC3B	Start	1170	807	1616	2425	3235	4044	5258
	Min.	564	335	815	1295	1774	2254	2973
	End	735	325	1134	1944	2753	3562	4776
PNS-1-122-SRC4B	Start	1484		1421	2231	3040	3849	5063
	Min.	710		654	1134	1614	2093	2813
	End	911		787	1597	2406	3215	4429
PNS-1-122-SRC5B	Start	1773		1191	2000	2809	3619	4833
	Min.	857		491	971	1451	1930	2650
	End	1120		468	1277	2087	2896	4110
PNS-1-122-SRC6B	Start	2066		1061	1870	2679	3489	4703
	Min.	979		357	837	1316	1796	2515
	End	1237		145	954	1763	2573	3787
PNS-1-122-SRC7B	Start	2375			1565	2375	3184	4398
	Min.	1152			645	1125	1604	2324
	End	1513			612	1421	2231	3445
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

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PN-SRT-1

Torque Ratings: PNS-1

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-1-122-SRC8B	Start	2512			1415	2224	3033	4247
	Min.	1233			556	1035	1515	2234
	End	1649			461	1271	2080	3294
PNS-1-122-SRC9B	Start	2648			1264	2074	2883	4097
	Min.	1313			467	946	1426	2145
	End	1785			311	1120	1929	3143
PNS-1-122-SRC10B	Start	3382				1513	2322	3536
	Min.	1682				539	1019	1738
	End	2293				308	1118	2332
PNS-1-122-SRC11B	Start	4097					1846	3060
	Min.	2021					644	1363
	End	2723					327	1541
PNS-1-201-SRC1B	Start	621	2249	3575	4901	6227	7553	
	Min.	292	1249	2035	2820	3606	4392	
	End	365	1966	3292	4618	5944	7270	
PNS-1-201-SRC2B	Start	877	2064	3390	4716	6042	7368	
	Min.	418	1110	1896	2682	3467	4253	
	End	532	1683	3009	4335	5661	6987	
PNS-1-201-SRC3B	Start	1170	1840	3166	4492	5818	7144	
	Min.	564	948	1733	2519	3305	4091	
	End	735	1358	2684	4010	5336	6662	
PNS-1-201-SRC4B	Start	1484	1645	2971	4297	5623	6949	
	Min.	710	787	1573	2359	3145	3930	
	End	911	1011	2337	3663	4989	6315	
PNS-1-201-SRC5B	Start	1773	1415	2741	4067	5393	6719	
	Min.	857	624	1410	2196	2982	3767	
	End	1120	692	2018	3344	4670	5996	
PNS-1-201-SRC6B	Start	2066	1285	2611	3937	5263	6589	
	Min.	979	490	1276	2061	2847	3633	
	End	1237	369	1695	3021	4347	5673	
PNS-1-201-SRC7B	Start	2375	980	2306	3632	4958	6284	8273
	Min.	1152	298	1084	1870	2656	3441	4620
	End	1513	27	1353	2679	4005	5331	7320
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-1

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-1-201-SRC8B	Start	2512		2155	3481	4807	6133	8122
	Min.	1233		995	1781	2566	3352	4531
	End	1649		1202	2528	3854	5180	7169
PNS-1-201-SRC9B	Start	2648		2005	3331	4657	5983	7972
	Min.	1313		906	1691	2477	3263	4442
	End	1785		1051	2377	3703	5029	7019
PNS-1-201-SRC10B	Start	3382		1444	2770	4096	5422	7411
	Min.	1682		499	1285	2070	2856	4035
	End	2293		240	1566	2892	4218	6207
PNS-1-201-SRC11B	Start	4097			2294	3620	4946	6935
	Min.	2021			910	1695	2481	3660
	End	2723			775	2101	3427	5416
PNS-1-314-SRC1B	Start	621	3740	5812	7884			
	Min.	292	2133	3361	4588			
	End	365	3458	5530	7602			
PNS-1-314-SRC2B	Start	877	3556	5628	7700			
	Min.	418	1994	3222	4450			
	End	532	3174	5246	7318			
PNS-1-314-SRC3B	Start	1170	3332	5404	7476			
	Min.	564	1832	3059	4287			
	End	735	2850	4922	6994			
PNS-1-314-SRC4B	Start	1484	3137	5209	7281			
	Min.	710	1671	2899	4127			
	End	911	2503	4575	6647			
PNS-1-314-SRC5B	Start	1773	2906	4978	7050			
	Min.	857	1508	2736	3964			
	End	1120	2184	4256	6328			
PNS-1-314-SRC6B	Start	2066	2776	4848	6920			
	Min.	979	1374	2602	3829			
	End	1237	1861	3932	6004			
PNS-1-314-SRC7B	Start	2375	2472	4544	6615			
	Min.	1152	1182	2410	3638			
	End	1513	1518	3590	5662			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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PN-SRT-1

Torque Ratings: PNS-1 – PNS-2

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-1-314-SRC8B	Start	2512	2321	4393	6465			
	Min.	1233	1093	2321	3549			
	End	1649	1368	3440	5512			
PNS-1-314-SRC9B	Start	2648	2171	4243	6314	8386		
	Min.	1313	1004	2232	3459	4687		
	End	1785	1217	3289	5361	7433		
PNS-1-314-SRC10B	Start	3382	1610	3682	5753	7825		
	Min.	1682	597	1825	3053	4280		
	End	2293	405	2477	4549	6621		
PNS-1-314-SRC11B	Start	4097		3206	5278	7350		
	Min.	2021		1450	2678	3905		
	End	2723		1687	3759	5831		
PNS-2-201-SRC1E	Start	825	2984	4703	6422	8141	9860	12438
	Min.	353	1574	2557	3539	4521	5503	6977
	End	411	2526	4245	5964	7683	9402	11980
PNS-2-201-SRC2E	Start	1142	2793	4512	6231	7950	9669	12247
	Min.	493	1420	2402	3384	4366	5348	6822
	End	583	2175	3894	5613	7332	9051	11629
PNS-2-201-SRC3E	Start	1510	2550	4269	5988	7707	9425	12004
	Min.	661	1234	2216	3199	4181	5163	6636
	End	803	1769	3488	5207	6926	8645	11223
PNS-2-201-SRC4E	Start	1960	2299	4017	5736	7455	9174	11752
	Min.	855	1020	2002	2984	3967	4949	6422
	End	1031	1271	2990	4709	6428	8147	10725
PNS-2-201-SRC5E	Start	2309	2057	3776	5495	7214	8933	11511
	Min.	1016	841	1823	2805	3788	4770	6243
	End	1249	886	2605	4324	6043	7762	10340
PNS-2-201-SRC6E	Start	2632	1699	3418	5137	6856	8575	11153
	Min.	1201	637	1619	2601	3583	4565	6039
	End	1573	528	2247	3966	5685	7404	9982
PNS-2-201-SRC7E	Start	3533		2797	4516	6235	7954	10532
	Min.	1619		1157	2139	3121	4104	5577
	End	2135		1252	2971	4690	6409	8987
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-2

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-2-201-SRC8E	Start	4348		2303	4022	5740	7459	10038
	Min.	1980		758	1740	2723	3705	5178
	End	2582		351	2070	3789	5508	8086
PNS-2-201-SRC9E	Start	5265			3517	5236	6955	9534
	Min.	2372			1307	2289	3271	4745
	End	3038			1056	2775	4494	7073
PNS-2-201-SRC10E	Start	6608				3503	5221	7800
	Min.	3204				1370	2352	3825
	End	4607				1291	3010	5588
PNS-2-201-SRC11E	Start	8227					3693	6271
	Min.	4062					1404	2877
	End	5990					1221	3799
PNS-2-314-SRC1E	Start	825	4918	7604	10289	12975	15661	
	Min.	353	2679	4214	5749	7284	8818	
	End	411	4460	7146	9831	12517	15203	
PNS-2-314-SRC2E	Start	1142	4727	7413	10098	12784	15470	
	Min.	493	2525	4059	5594	7129	8663	
	End	583	4109	6795	9480	12166	14852	
PNS-2-314-SRC3E	Start	1510	4484	7169	9855	12541	15227	
	Min.	661	2339	3874	5409	6943	8478	
	End	803	3703	6389	9075	11760	14446	
PNS-2-314-SRC4E	Start	1960	4232	6918	9604	12290	14975	
	Min.	855	2125	3660	5194	6729	8264	
	End	1031	3205	5891	8577	11262	13948	
PNS-2-314-SRC5E	Start	2309	3991	6677	9362	12048	14734	
	Min.	1016	1946	3481	5015	6550	8085	
	End	1249	2820	5506	8192	10877	13563	
PNS-2-314-SRC6E	Start	2632	3633	6319	9005	11690	14376	
	Min.	1201	1742	3276	4811	6346	7880	
	End	1573	2462	5148	7834	10520	13205	
PNS-2-314-SRC7E	Start	3533	3012	5698	8383	11069	13755	
	Min.	1619	1280	2814	4349	5884	7419	
	End	2135	1467	4153	6839	9524	12210	
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

PN-SRT-1

Torque Ratings: PNS-2

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-2-314-SRC8E	Start	4348	2518	5203	7889	10575	13261	
	Min.	1980	881	2416	3950	5485	7020	
	End	2582	566	3252	5938	8623	11309	
PNS-2-314-SRC9E	Start	5265		4699	7385	10071	12756	
	Min.	2372		1982	3517	5052	6586	
	End	3038		2238	4924	7610	10295	
PNS-2-314-SRC10E	Start	6608		2965	5651	8337	11023	15051
	Min.	3204		1063	2597	4132	5667	7969
	End	4607		754	3440	6125	8811	12840
PNS-2-314-SRC11E	Start	8227			4122	6808	9494	13523
	Min.	4062			1649	3184	4719	7021
	End	5990			1651	4336	7022	11051
PNS-2-433-SRC1E	Start	825	6962	10670	14378			
	Min.	353	3848	5967	8085			
	End	411	6504	10212	13920			
PNS-2-433-SRC2E	Start	1142	6771	10479	14188			
	Min.	493	3693	5812	7931			
	End	583	6153	9862	13570			
PNS-2-433-SRC3E	Start	1510	6528	10236	13944			
	Min.	661	3507	5626	7745			
	End	803	5748	9456	13164			
PNS-2-433-SRC4E	Start	1960	6277	9985	13693			
	Min.	855	3293	5412	7531			
	End	1031	5250	8958	12666			
PNS-2-433-SRC5E	Start	2309	6035	9743	13452			
	Min.	1016	3114	5233	7352			
	End	1249	4865	8573	12281			
PNS-2-433-SRC6E	Start	2632	5678	9386	13094			
	Min.	1201	2910	5029	7148			
	End	1573	4507	8215	11923			
PNS-2-433-SRC7E	Start	3533	5056	8764	12472			
	Min.	1619	2448	4567	6686			
	End	2135	3511	7220	10928			
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-2

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-2-433-SRC8E	Start	4348	4562	8270	11978	15686		
	Min.	1980	2049	4168	6287	8406		
	End	2582	2611	6319	10027	13735		
PNS-2-433-SRC9E	Start	5265	4058	7766	11474	15182		
	Min.	2372	1616	3735	5853	7972		
	End	3038	1597	5305	9013	12721		
PNS-2-433-SRC10E	Start	6608	2324	6032	9740	13448		
	Min.	3204	696	2815	4934	7053		
	End	4607	113	3821	7529	11237		
PNS-2-433-SRC11E	Start	8227		4503	8211	11920	15628	
	Min.	4062		1867	3986	6105	8224	
	End	5990		2032	5740	9448	13156	
PNS-2-615-SRC1E	Start	825	10075	15339				
	Min.	353	5626	8634				
	End	411	9616	14881				
PNS-2-615-SRC2E	Start	1142	9884	15148				
	Min.	493	5471	8479				
	End	583	9266	14530				
PNS-2-615-SRC3E	Start	1510	9640	14904				
	Min.	661	5286	8294				
	End	803	8860	14124				
PNS-2-615-SRC4E	Start	1960	9389	14653				
	Min.	855	5072	8080				
	End	1031	8362	13626				
PNS-2-615-SRC5E	Start	2309	9148	14412				
	Min.	1016	4893	7901				
	End	1249	7977	13241				
PNS-2-615-SRC6E	Start	2632	8790	14054				
	Min.	1201	4688	7696				
	End	1573	7619	12883				
PNS-2-615-SRC7E	Start	3533	8169	13433				
	Min.	1619	4226	7234				
	End	2135	6624	11888				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

PN-SRT-1

Torque Ratings: PNS-2 – PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-2-615-SRC8E	Start	4348	7674	12938				
	Min.	1980	3828	6836				
	End	2582	5723	10987				
PNS-2-615-SRC9E	Start	5265	7170	12434				
	Min.	2372	3394	6402				
	End	3038	4709	9973				
PNS-2-615-SRC10E	Start	6608	5436	10700				
	Min.	3204	2475	5483				
	End	4607	3225	8489				
PNS-2-615-SRC11E	Start	8227	3908	9172	14436			
	Min.	4062	1527	4535	7543			
	End	5990	1436	6700	11964			
PNS-8-314-SRC1F	Start	4747	4834	8633	12431	16230	20028	25726
	Min.	2141	2123	4367	6612	8856	11101	14468
	End	2500	2350	6149	9947	13746	17544	23242
PNS-8-314-SRC2F	Start	5329	4190	7989	11787	15586	19384	25082
	Min.	2485	1742	3987	6231	8476	10720	14087
	End	3082	1706	5505	9303	13102	16900	22598
PNS-8-314-SRC3F	Start	8189		6484	10283	14081	17880	23577
	Min.	3732		2609	4853	7098	9342	12709
	End	4443		2345	6143	9941	13740	19438
PNS-8-314-SRC4F	Start	9308		5799	9597	13396	17194	22892
	Min.	4246		2040	4285	6529	8774	12141
	End	5064		1107	4906	8704	12502	18200
PNS-8-314-SRC5F	Start	11593			7624	11422	15221	20919
	Min.	5449			2956	5200	7445	10812
	End	6849			2380	6179	9977	15675
PNS-8-314-SRC6F	Start	15637				8885	12684	18381
	Min.	7322				3130	5375	8742
	End	9144				1710	5508	11206
PNS-8-314-SRC7F	Start	17238					10914	16611
	Min.	8268					4329	7696
	End	10746					3738	9436
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-314-SRC8F	Start	20377					9658	15356
	Min.	9531					2933	6300
	End	11882					269	5966
PNS-8-314-SRC9F	Start	23117						12327
	Min.	11150						4510
	End	14622						2938
PNS-8-314-SRC12F	Start	16930				5110	8909	14607
	Min.	8713				1593	3837	7204
	End	12560				281	4079	9777
PNS-8-314-SRC13F	Start	20627						13340
	Min.	10144						5623
	End	13706						5691
PNS-8-314-SRC14F	Start	24272						6077
	Min.	13162						2287
	End	20277						1662
PNS-8-433-SRC1F	Start	4747	7726	12970	18214	23459	28703	36569
	Min.	2141	3831	6930	10029	13128	16227	20875
	End	2500	5242	10486	15730	20975	26219	34085
PNS-8-433-SRC2F	Start	5329	7082	12326	17570	22815	28059	35925
	Min.	2485	3451	6550	9649	12748	15846	20495
	End	3082	4598	9842	15087	20331	25575	33441
PNS-8-433-SRC3F	Start	8189	5577	10822	16066	21310	26554	34421
	Min.	3732	2073	5172	8270	11369	14468	19116
	End	4443	1438	6682	11926	17170	22415	30281
PNS-8-433-SRC4F	Start	9308	4892	10136	15380	20625	25869	33735
	Min.	4246	1505	4603	7702	10801	13900	18548
	End	5064	200	5444	10689	15933	21177	29044
PNS-8-433-SRC5F	Start	11593		8163	13407	18651	23896	31762
	Min.	5449		3274	6373	9472	12571	17219
	End	6849		2919	8163	13408	18652	26518
PNS-8-433-SRC6F	Start	15637			10870	16114	21358	29225
	Min.	7322			4303	7402	10501	15149
	End	9144			3694	8939	14183	22049
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-433-SRC7F	Start	17238			9100	14344	19588	27455
	Min.	8268			3257	6356	9455	14103
	End	10746			1924	7169	12413	20279
PNS-8-433-SRC8F	Start	20377				13088	18333	26199
	Min.	9531				4960	8059	12707
	End	11882				3699	8943	16810
PNS-8-433-SRC9F	Start	23117				10060	15304	23171
	Min.	11150				3170	6269	10918
	End	14622				671	5915	13781
PNS-8-433-SRC10F	Start	28684						18668
	Min.	13999						7769
	End	18696						7628
PNS-8-433-SRC12F	Start	16930			7095	12339	17584	25450
	Min.	8713			2766	5864	8963	13612
	End	12560			2265	7510	12754	20620
PNS-8-433-SRC13F	Start	20627				11072	16317	24183
	Min.	10144				4283	7382	12030
	End	13706				3423	8668	16534
PNS-8-433-SRC14F	Start	24272					9055	16921
	Min.	13162					4046	8694
	End	20277					4639	12505
PNS-8-615-SRC1F	Start	4747	12127	19572	27017	34462	41907	53075
	Min.	2141	6432	10832	15231	19630	24029	30628
	End	2500	9643	17088	24533	31978	39423	50591
PNS-8-615-SRC2F	Start	5329	11483	18928	26373	33818	41263	52431
	Min.	2485	6052	10451	14850	19250	23649	30248
	End	3082	8999	16444	23889	31334	38779	49947
PNS-8-615-SRC3F	Start	8189	9979	17424	24869	32314	39759	50926
	Min.	3732	4674	9073	13472	17871	22271	28870
	End	4443	5839	13284	20729	28174	35619	46787
PNS-8-615-SRC4F	Start	9308	9293	16738	24183	31628	39073	50241
	Min.	4246	4105	8505	12904	17303	21703	28302
	End	5064	4602	12047	19492	26937	34382	45549
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-8-615-SRC5F	Start	11593	7320	14765	22210	29655	37100	48267
	Min.	5449	2776	7175	11575	15974	20373	26972
	End	6849	2076	9521	16966	24411	31856	43024
PNS-8-615-SRC6F	Start	15637		12228	19673	27118	34563	45730
	Min.	7322		5105	9505	13904	18303	24902
	End	9144		5052	12497	19942	27387	38555
PNS-8-615-SRC7F	Start	17238		10458	17903	25348	32793	43960
	Min.	8268		4060	8459	12858	17257	23856
	End	10746		3282	10727	18172	25617	36785
PNS-8-615-SRC8F	Start	20377		8453	16647	24092	31537	42705
	Min.	9531		3568	7063	11462	15861	22460
	End	11882		3623	7258	14703	22148	33315
PNS-8-615-SRC9F	Start	23117			13619	21064	28509	39676
	Min.	11150			5273	9673	14072	20671
	End	14622			4229	11674	19119	30287
PNS-8-615-SRC10F	Start	28684				16561	24006	35173
	Min.	13999				6524	10923	17522
	End	18696				5521	12966	24134
PNS-8-615-SRC12F	Start	16930			15898	23343	30788	41955
	Min.	8713			7967	12367	16766	23365
	End	12560			11068	18513	25958	37126
PNS-8-615-SRC13F	Start	20627			14631	22076	29521	40688
	Min.	10144			6386	10785	15184	21783
	End	13706			6982	14427	21872	33039
PNS-8-615-SRC14F	Start	24272			7369	14814	22259	33426
	Min.	13162			3050	7449	11848	18447
	End	20277			2953	10398	17843	29011
PNS-8-615-SRC15F	Start	41609						25417
	Min.	20425						10419
	End	27523						9848
PNS-8-615-SRC16F	Start	48840						17425
	Min.	24698						5697
	End	34754						1857
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

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Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-804-SRC1F	Start	4747	16685	26410	36134	45858	55582	70168
	Min.	2141	9126	14872	20618	26364	32110	40729
	End	2500	14202	23926	33650	43374	53098	67684
PNS-8-804-SRC2F	Start	5329	16042	25766	35490	45214	54938	69524
	Min.	2485	8745	14491	20237	25983	31729	40348
	End	3082	13558	23282	33006	42730	52454	67040
PNS-8-804-SRC3F	Start	8189	14537	24261	33985	43709	53433	68019
	Min.	3732	7367	13113	18859	24605	30351	38970
	End	4443	10397	20121	29845	39569	49293	63880
PNS-8-804-SRC4F	Start	9308	13852	23576	33300	43024	52748	67334
	Min.	4246	6799	12545	18291	24037	29783	38402
	End	5064	9160	18884	28608	38332	48056	62642
PNS-8-804-SRC5F	Start	11593	11878	21602	31326	41050	50774	65360
	Min.	5449	5470	11216	16962	22708	28454	37073
	End	6849	6634	16358	26083	35807	45531	60117
PNS-8-804-SRC6F	Start	15637	9341	19065	28789	38513	48237	62823
	Min.	7322	3400	9146	14892	20638	26384	35003
	End	9144	2165	11889	21613	31338	41062	55648
PNS-8-804-SRC7F	Start	17238	7571	17295	27019	36743	46467	61053
	Min.	8268	2354	8100	13846	19592	25338	33957
	End	10746	395	10119	19843	29568	39292	53878
PNS-8-804-SRC8F	Start	20377		16039	25763	35487	45212	59798
	Min.	9531		6704	12450	18196	23942	32561
	End	11882		6650	16374	26098	35822	50408
PNS-8-804-SRC9F	Start	23117		13011	22735	32459	42183	56769
	Min.	11150		4914	10660	16406	22152	30771
	End	14622		3622	13346	23070	32794	47380
PNS-8-804-SRC10F	Start	28684		15290	18232	27956	37680	52266
	Min.	13999		7608	7512	13258	19004	27623
	End	18696		10460	7192	16917	26641	41227
PNS-8-804-SRC12F	Start	16930	5566	14023	25014	34738	44462	59049
	Min.	8713	1862	6027	13354	19100	24846	33465
	End	12560	736	6374	20185	29909	39633	54219
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-804-SRC13F	Start	20627		6761	23747	33471	43195	57782
	Min.	10144		2691	11773	17519	23265	31884
	End	13706		2345	16098	25822	35546	50133
PNS-8-804-SRC14F	Start	24272			16485	26209	35933	50519
	Min.	13162			8437	14183	19929	28548
	End	20277			12069	21793	31518	46104
PNS-8-804-SRC15F	Start	41609				18200	27924	42510
	Min.	20425				6155	11901	20520
	End	27523				2631	12355	26941
PNS-8-804-SRC16F	Start	48840					19932	34518
	Min.	24698					7178	15797
	End	34754					4364	18950
PNS-8-1256-SRC1F	Start	4747	27625	42819	58013			
	Min.	2141	15590	24568	33546			
	End	2500	25141	40335	55529			
PNS-8-1256-SRC2F	Start	5329	26981	42175	57369			
	Min.	2485	15209	24188	33166			
	End	3082	24497	39691	54885			
PNS-8-1256-SRC3F	Start	8189	25477	40670	55864			
	Min.	3732	13831	22809	31788			
	End	4443	21337	36531	51724			
PNS-8-1256-SRC4F	Start	9308	24791	39985	55179	70373		
	Min.	4246	13263	22241	31219	40198		
	End	5064	20099	35293	50487	65681		
PNS-8-1256-SRC5F	Start	11593	22818	38012	53205	68399		
	Min.	5449	11934	20912	29890	38868		
	End	6849	17574	32768	47962	63156		
PNS-8-1256-SRC6F	Start	15637	20281	35474	50668	65862		
	Min.	7322	9864	18842	27820	36798		
	End	9144	13105	28299	43493	58686		
PNS-8-1256-SRC7F	Start	17238	18511	33704	48898	64092		
	Min.	8268	8818	17796	26774	35753		
	End	10746	11335	26529	41723	56916		
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-1256-SRC8F	Start	20377	17255	32449	47643	62836		
	Min.	9531	7422	16400	25378	34356		
	End	11882	7865	23059	38253	53447		
PNS-8-1256-SRC9F	Start	23117	14226	29420	44614	59808		
	Min.	11150	5632	14611	23589	32567		
	End	14622	4837	20031	35225	50419		
PNS-8-1256-SRC10F	Start	28684		24917	40111	55305	70499	
	Min.	13999		11462	20440	29418	38397	
	End	18696		13878	29072	44265	59459	
PNS-8-1256-SRC12F	Start	16930	16506	31700	46893	62087		
	Min.	8713	8326	17305	26283	35261		
	End	12560	11676	26870	42064	57258		
PNS-8-1256-SRC13F	Start	20627	15239	30433	45626	60820		
	Min.	10144	6745	15723	24701	33679		
	End	13706	7590	22784	37977	53171		
PNS-8-1256-SRC14F	Start	24272	7977	23171	38364	53558	68752	
	Min.	13162	3409	12387	21365	30343	39322	
	End	20277	3561	18755	33949	49142	64336	
PNS-8-1256-SRC15F	Start	41609			30355	45549	60742	
	Min.	20425			13337	22315	31294	
	End	27523			14786	29980	45174	
PNS-8-1256-SRC16F	Start	48840			22363	37557	52751	
	Min.	24698			8615	17593	26571	
	End	34754			6795	21988	37182	
PNS-8-1590-SRC1F	Start	4747	35697	54926				
	Min.	2141	20360	31723				
	End	2500	33213	52443				
PNS-8-1590-SRC2F	Start	5329	35053	54282				
	Min.	2485	19979	31342				
	End	3082	32569	51799				
PNS-8-1590-SRC3F	Start	8189	33548	52778				
	Min.	3732	18601	29964				
	End	4443	29409	48638				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-1590-SRC4F	Start	9308	32863	52093				
	Min.	4246	18033	29396				
	End	5064	28171	47401				
PNS-8-1590-SRC5F	Start	11593	30889	50119	69349			
	Min.	5449	16704	28067	39430			
	End	6849	25646	44875	64105			
PNS-8-1590-SRC6F	Start	15637	28352	47582	66812			
	Min.	7322	14634	25997	37360			
	End	9144	21177	40406	59636			
PNS-8-1590-SRC7F	Start	17238	26582	45812	65042			
	Min.	8268	13588	24951	36314			
	End	10746	19407	38636	57866			
PNS-8-1590-SRC8F	Start	20377	25327	44556	63786			
	Min.	9531	12192	23555	34918			
	End	11882	15937	35167	54397			
PNS-8-1590-SRC9F	Start	23117	22298	41528	60758			
	Min.	11150	10402	21765	33128			
	End	14622	12909	32138	51368			
PNS-8-1590-SRC10F	Start	28684	17795	37025	56255			
	Min.	13999	7254	18617	29980			
	End	18696	6756	25985	45215			
PNS-8-1590-SRC12F	Start	16930	24577	43807	63037			
	Min.	8713	13096	24459	35822			
	End	12560	19748	38977	58207			
PNS-8-1590-SRC13F	Start	20627	23310	42540	61770			
	Min.	10144	11514	22877	34240			
	End	13706	15662	34891	54121			
PNS-8-1590-SRC14F	Start	24272	16048	35278	54508			
	Min.	13162	8178	19541	30904			
	End	20277	11633	30862	50092			
PNS-8-1590-SRC15F	Start	41609		27269	46498	65728		
	Min.	20425		11513	22876	34239		
	End	27523		11700	30930	50159		
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

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Torque Ratings: PNS-8

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-1590-SRC16F	Start	48840		19277	38506	57736		
	Min.	24698		6791	18154	29517		
	End	34754		3708	22938	42168		
PNS-8-2290-SRC1F	Start	4747	52619					
	Min.	2141	30359					
	End	2500	50135					
PNS-8-2290-SRC2F	Start	5329	51975					
	Min.	2485	29979					
	End	3082	49491					
PNS-8-2290-SRC3F	Start	8189	50470					
	Min.	3732	28600					
	End	4443	46331					
PNS-8-2290-SRC4F	Start	9308	49785					
	Min.	4246	28032					
	End	5064	45093					
PNS-8-2290-SRC5F	Start	11593	47812					
	Min.	5449	26703					
	End	6849	42568					
PNS-8-2290-SRC6F	Start	15637	45274					
	Min.	7322	24633					
	End	9144	38099					
PNS-8-2290-SRC7F	Start	17238	43504					
	Min.	8268	23587					
	End	10746	36329					
PNS-8-2290-SRC8F	Start	20377	42249					
	Min.	9531	22191					
	End	11882	32859					
PNS-8-2290-SRC9F	Start	23117	39220	66911				
	Min.	11150	20402	36764				
	End	14622	29831	57522				
PNS-8-2290-SRC10F	Start	28684	34717	62408				
	Min.	13999	17253	33616				
	End	18696	23678	51369				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-8 – PNS-16

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-8-2290-SRC12F	Start	16930	41500	69190				
	Min.	8713	23096	39458				
	End	12560	36670	64361				
PNS-8-2290-SRC13F	Start	20627	40233	67923				
	Min.	10144	21514	37877				
	End	13706	32584	60274				
PNS-8-2290-SRC14F	Start	24272	32971	60661				
	Min.	13162	18178	34541				
	End	20277	28555	56246				
PNS-8-2290-SRC15F	Start	41609	24961	52652				
	Min.	20425	10150	26513				
	End	27523	9393	37083				
PNS-8-2290-SRC16F	Start	48840	16969	44660				
	Min.	24698	5427	21790				
	End	34754	1401	29092				
PNS-16-615-SRC1G	Start	21998			108218	34788	44865	59980
	Min.	10510			54815	17713	23578	32377
	End	14112			80122	26071	36148	51264
PNS-16-615-SRC2G	Start	31276			24710	29621	39698	54814
	Min.	14570			11847	13225	19090	27889
	End	18787			15994	15817	25894	41010
PNS-16-615-SRC3G	Start	34791			19544	19901	29978	45094
	Min.	18153			7359	9265	15131	23929
	End	27581			5740	11932	22009	37125
PNS-16-615-SRC4G	Start	63152			9824			33874
	Min.	29362			3399			11541
	End	37732			1855			5778
PNS-16-804-SRC1G	Start	21998	10726	23888	37050	50212	63373	83116
	Min.	10510	3707	11368	19029	26691	34352	45844
	End	14112	2010	15172	28333	41495	54657	74400
PNS-16-804-SRC2G	Start	31276		18722	31883	45045	58207	77950
	Min.	14570		6880	14541	22203	29864	41356
	End	18787		4917	18079	31241	44403	64146
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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Torque Ratings: PNS-16 – PNS-31

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-16-804-SRC3G	Start	34791		9002	22164	35325	48487	68230
	Min.	18153		2920	10582	18243	25905	37397
	End	27581		1032	14194	27356	40518	60261
PNS-16-804-SRC4G	Start	63152					37268	57010
	Min.	29362					13516	25008
	End	37732					9171	28914
PNS-16-1590-SRC1G	Start	21998	36458	62487	88515	114543	140571	
	Min.	10510	18685	33836	48987	64137	79288	
	End	14112	27742	53770	79798	105826	131854	
PNS-16-1590-SRC2G	Start	31276	31292	57320	83348	109376	135404	
	Min.	14570	14197	29348	44499	59649	74800	
	End	18787	17488	43516	69544	95572	121600	
PNS-16-1590-SRC3G	Start	34791	21572	47600	73628	99657	125685	
	Min.	18153	10238	25388	40539	55690	70840	
	End	27581	13603	39631	65659	91687	117715	
PNS-16-1590-SRC4G	Start	63152		36381	62409	88437	114465	
	Min.	29362		13000	28150	43301	58452	
	End	37732		8284	34312	60340	86368	
PNS-16-2290-SRC1G	Start	21998	59363	96844				
	Min.	10510	32018	53835				
	End	14112	50647	88127				
PNS-16-2290-SRC2G	Start	31276	54197	91677	134324			
	Min.	14570	27530	49347	75652			
	End	18787	40393	77873	125608			
PNS-16-2290-SRC3G	Start	34791	44477	81957	129158			
	Min.	18153	23570	45387	71164			
	End	27581	36508	73988	115353			
PNS-16-2290-SRC4G	Start	63152	33257	70738	119438			
	Min.	29362	11181	32998	67204			
	End	37732	5161	42641	111469			
PNS-31-1590-SRC2H	Start	63105	43915	87425	130935	174444	217954	
	Min.	30266	18138	43933	69728	95523	121318	
	End	38999	17272	60781	104291	147801	191310	
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-31

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-31-1590-SRC3H	Start	71811	34309	77818	121328	164838	208347	273612
	Min.	35424	12437	38232	64027	89822	115617	154310
	End	47690	7649	51159	94668	138178	181687	246952
PNS-31-1590-SRC4H	Start	107971		48766	92276	135785	179295	244559
	Min.	53934		17773	43568	69363	95158	133851
	End	73976		11192	54702	98211	141721	206985
PNS-31-1590-SRC5H	Start	143842			57718	101228	144737	210002
	Min.	73836			21572	47367	73162	111855
	End	105242			15056	58565	102075	167339
PNS-31-1590-SRC6H	Start	194257				68160	111670	176934
	Min.	97649				21047	46842	85535
	End	135161				2843	46353	111617
PNS-31-1590-SRC7H	Start	211801					92279	157543
	Min.	108050					35346	74039
	End	152705					26962	92226
PNS-31-2290-SRC2H	Start	63105	82204	144858	207511	270165		
	Min.	30266	40837	77982	115127	152272		
	End	38999	55560	118214	180868	243522		
PNS-31-2290-SRC3H	Start	71811	72597	135251	197905	260559		
	Min.	35424	35137	72282	109427	146571		
	End	47690	45937	108591	171245	233899		
PNS-31-2290-SRC4H	Start	107971	43545	106199	168853	231506		
	Min.	53934	14678	51823	88967	126112		
	End	73976	5971	68625	131279	193932		
PNS-31-2290-SRC5H	Start	143842		71641	134295	196949	259603	
	Min.	73836		29827	66971	104116	141261	
	End	105242		28979	91633	154286	216940	
PNS-31-2290-SRC6H	Start	194257			101227	163881	226535	
	Min.	97649			40652	77796	114941	
	End	135161			35910	98564	161218	
PNS-31-2290-SRC7H	Start	211801			81836	144490	207144	
	Min.	108050			29155	66300	103445	
	End	152705			16519	79173	141827	
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

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Torque Ratings: PNS-31

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-31-3216-SRC2H	Start	63105	132911	220919				
	Min.	30266	70900	123075				
	End	38999	106268	194275				
PNS-31-3216-SRC3H	Start	71811	123305	211312				
	Min.	35424	65199	117375				
	End	47690	96645	184652				
PNS-31-3216-SRC4H	Start	107971	94252	182260	270268			
	Min.	53934	44740	96916	149092			
	End	73976	56678	144686	232694			
PNS-31-3216-SRC5H	Start	143842	59695	147702	235710			
	Min.	73836	22744	74920	127096			
	End	105242	17032	105040	193048			
PNS-31-3216-SRC6H	Start	194257		114635	202642			
	Min.	97649		48600	100776			
	End	135161		49318	137325			
PNS-31-3216-SRC7H	Start	211801		95244	183251	271259		
	Min.	108050		37104	89280	141456		
	End	152705		29927	117934	205942		
PNS-31-4300-SRC2H	Start	63105	192213					
	Min.	30266	106057					
	End	38999	165570					
PNS-31-4300-SRC3H	Start	71811	182607					
	Min.	35424	100357					
	End	47690	155947					
PNS-31-4300-SRC4H	Start	107971	153554	271213				
	Min.	53934	79898	149653				
	End	73976	115980	233639				
PNS-31-4300-SRC5H	Start	143842	118997	236655				
	Min.	73836	57902	127656				
	End	105242	76334	193993				
PNS-31-4300-SRC6H	Start	194257	85929	203588				
	Min.	97649	31582	101337				
	End	135161	20612	138271				
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-31 – PNS-118

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-31-4300-SRC7H	Start	211801	66538	184197				
	Min.	108050	20086	89841				
	End	152705	1221	118880				
PNS-118-1590-SRC1K	Start	108418		98443	153607	208771	263935	346681
	Min.	52391		44652	78839	113025	147211	198490
	End	60663		45662	100826	155990	211154	293900
PNS-118-1590-SRC2K	Start	135468		75312	130476	185640	240804	323550
	Min.	67258		28221	62407	96593	130779	182058
	End	81591		15764	70928	126092	181256	264002
PNS-118-1590-SRC3D	Start	195282			72430	127594	182758	265504
	Min.	102065			23936	58122	92308	143588
	End	134109			4818	59982	115146	197892
PNS-118-1590-SRC3K	Start	189929			78347	133510	188674	271420
	Min.	98748			27602	61789	95975	147254
	End	128756			10734	65898	121062	203808
PNS-118-1590-SRC4K	Start	266057					140436	223182
	Min.	135860					54956	106235
	End	172400					36920	119666
PNS-118-1590-SRC5D	Start	355425						147567
	Min.	184750						52199
	End	240814						20892
PNS-118-1590-SRC5K	Start	345587						158514
	Min.	178633						58960
	End	230909						31765
PNS-118-2290-SRC1K	Start	108418	91824	171260	250696	330132	409568	528722
	Min.	52391	40550	89778	139006	188234	237462	311304
	End	60663	39042	118478	197915	277351	356787	475941
PNS-118-2290-SRC2K	Start	135468	68693	148129	227565	307001	386437	505591
	Min.	67258	24119	73347	122575	171803	221031	294873
	End	81591	9145	88581	168017	247453	326889	446043
PNS-118-2290-SRC3D	Start	195282		90083	169519	248955	328391	447546
	Min.	102065		34876	84104	133332	182560	256402
	End	134109		22470	101907	181343	260779	379933
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

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Torque Ratings: PNS-118

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-118-2290-SRC3K	Start	189929		95999	175435	254871	334307	453462
	Min.	98748		38542	87770	136998	186226	260068
	End	128756		28387	107823	187259	266695	385849
PNS-118-2290-SRC4K	Start	266057			127197	206633	286069	405223
	Min.	135860			46751	95979	145207	219049
	End	172400			23681	103117	182553	301707
PNS-118-2290-SRC5D	Start	355425				131018	210454	329608
	Min.	184750				41943	91171	165013
	End	240814				4343	83779	202933
PNS-118-2290-SRC5K	Start	345587				141965	221401	340555
	Min.	178633				48704	97932	171774
	End	230909				15216	94652	213807
PNS-118-2290-SRC6K	Start	508162						248362
	Min.	254854						87529
	End	314322						34118
PNS-118-3216-SRC1K	Start	108418	156114	267695	379276	490857	602438	769809
	Min.	52391	80392	149540	218689	287838	356987	460710
	End	60663	103332	214913	326494	438075	549656	717028
PNS-118-3216-SRC2K	Start	135468	132982	244564	356145	467726	579307	746678
	Min.	67258	63960	133109	202258	271407	340556	444279
	End	81591	73434	185016	296597	408178	519759	687130
PNS-118-3216-SRC3D	Start	195282	74937	186518	298099	409680	521261	688633
	Min.	102065	25489	94638	163787	232936	302085	405808
	End	134109	7324	118905	230486	342067	453648	621020
PNS-118-3216-SRC3K	Start	189929	80853	192434	304015	415596	527177	694549
	Min.	98748	29156	98304	167453	236602	305751	409474
	End	128756	13240	124821	236402	347984	459565	626936
PNS-118-3216-SRC4K	Start	266057		144195	255776	367358	478939	646310
	Min.	135860		57285	126434	195583	264732	368455
	End	172400		40680	152261	263842	375423	542795
PNS-118-3216-SRC5D	Start	355425			180162	291743	403324	570695
	Min.	184750			72398	141547	210696	314419
	End	240814			53486	165067	276648	444020
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-118

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-118-3216-SRC5K	Start	345587			191109	302690	414271	581642
	Min.	178633			79159	148308	217457	321180
	End	230909			64360	175941	287522	454894
PNS-118-3216-SRC6K	Start	508162					322078	489449
	Min.	254854					133212	236935
	End	314322					107834	275205
PNS-118-4300-SRC1K	Start	108418	231300	380474	529649	678823	827997	
	Min.	52391	126986	219432	311878	404324	496770	
	End	60663	178519	327693	476867	626042	775216	
PNS-118-4300-SRC2K	Start	135468	208169	357343	506518	655692	804866	1028628
	Min.	67258	110555	203001	295447	387893	480339	619008
	End	81591	148621	297795	446970	596144	745318	969080
PNS-118-4300-SRC3D	Start	195282	150123	299297	448472	597646	746820	970582
	Min.	102065	72084	164530	256976	349422	441868	580537
	End	134109	82511	231685	380859	530034	679208	902969
PNS-118-4300-SRC3K	Start	189929	156039	305213	454388	603562	752736	976498
	Min.	98748	75750	168196	260642	353088	445534	584203
	End	128756	88427	237601	386775	535950	685124	908885
PNS-118-4300-SRC4K	Start	266057	107801	256975	406149	555324	704498	928259
	Min.	135860	34731	127177	219623	312069	404515	543184
	End	172400	4285	153459	302634	451808	600982	824744
PNS-118-4300-SRC5D	Start	355425		181360	330535	479709	628883	852645
	Min.	184750		73141	165587	258033	350479	489148
	End	240814		54685	203859	353034	502208	725969
PNS-118-4300-SRC5K	Start	345587		192307	341482	490656	639830	863592
	Min.	178633		79902	172348	264794	357240	495909
	End	230909		65559	214733	363907	513081	736843
PNS-118-4300-SRC6K	Start	508162			249288	398463	547637	771399
	Min.	254854			88103	180549	272995	411664
	End	314322			35044	184219	333393	557154
PNS-118-5541-SRC1K	Start	108418	317383	509599	701815	894031		
	Min.	52391	180333	299453	418573	537692		
	End	60663	264602	456818	649033	841249		
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

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Torque Ratings: PNS-118 – PNS-250

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-118-5541-SRC2K	Start	135468	294252	486468	678684	870899		
	Min.	67258	163902	283022	402141	521261		
	End	81591	234704	426920	619136	811351		
PNS-118-5541-SRC3D	Start	195282	236206	428422	620638	812854	1005069	
	Min.	102065	125431	244551	363670	482790	601910	
	End	134109	168594	360810	553025	745241	937457	
PNS-118-5541-SRC3K	Start	189929	242122	434338	626554	818770	1010986	
	Min.	98748	129097	248217	367337	486456	605576	
	End	128756	174510	366726	558941	751157	943373	
PNS-118-5541-SRC4K	Start	266057	193884	386100	578315	770531	962747	
	Min.	135860	88078	207198	326317	445437	564557	
	End	172400	90368	282584	474800	667016	859231	
PNS-118-5541-SRC5D	Start	355425		310485	502701	694917	887132	
	Min.	184750		153162	272281	391401	510521	
	End	240814		183810	376025	568241	760457	
PNS-118-5541-SRC5K	Start	345587	129216	321432	513648	705863	898079	
	Min.	178633	40803	159923	279043	398162	517282	
	End	230909	2467	194683	386899	579115	771331	
PNS-118-5541-SRC6K	Start	508162		229239	421455	613670	805886	
	Min.	254854		75678	194798	313917	433037	
	End	314322		14995	207210	399426	591642	
PNS-250-2290-SRC 140-F2(H)	Start	410832			295423	421290	547157	735958
	Min.	169735			97697	169022	240347	347334
	End	188232			49391	175258	301125	489926
PNS-250-2290-SRC FJ(H)	Start	534446				339883	465750	654551
	Min.	225627				107246	178571	285558
	End	261885				38632	164499	353300
PNS-250-2290-SRC FJxD(H)	Start	558068				313775	439642	628443
	Min.	239013				92451	163776	270763
	End	285507				12523	138391	327191
PNS-250-2290-SRC FM(H)	Start	782963						587830
	Min.	313144						188829
	End	322252						78623
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

Canted and Demi-Canted yokes are available, please consult factory

Torque Ratings: PNS-250

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					
PNS-250-3216-SRC 140-F2(H)	Start	410832		322357	499158	675959	852760	1117962
	Min.	169735		112960	213147	313334	413522	563803
	End	188232		76325	253126	429927	606728	871930
PNS-250-3216-SRC FJ(H)	Start	534446			417752	594553	771354	1036555
	Min.	225627			151371	251559	351746	502027
	End	261885			116500	293301	470102	735304
PNS-250-3216-SRC FJxD(H)	Start	558068			391643	568444	745245	1010447
	Min.	239013			136577	236764	336951	487232
	End	285507			90392	267193	443994	709195
PNS-250-3216-SRC FM(H)	Start	782963				527832	704633	969834
	Min.	313144				154829	255017	405297
	End	322252				18625	195426	460627
PNS-250-4300-SRC 140-F2(H)	Start	410832	264690	501057	737425	973793	1210161	1564712
	Min.	169735	80282	214223	348165	482107	616049	816961
	End	188232	18658	255025	491393	727761	964129	1318680
PNS-250-4300-SRC FJxD(H)	Start	558068		393542	629910	866278	1102646	1457197
	Min.	239013		137653	271595	405536	539478	740391
	End	285507		92291	328659	565027	801394	1155946
PNS-250-4300-SRC FM(H)	Start	782963			589298	825666	1062033	1416585
	Min.	313144			189660	323602	457544	658456
	End	322252			80091	316459	552826	907378
PNS-250-4300-SRC SRFJ(H)	Start	534446		419651	656019	892386	1128754	1483306
	Min.	225627		152448	286389	420331	554273	755185
	End	261885		118400	354767	591135	827503	1182054
PNS-250-5541-SRC 140-F2(H)	Start	410832	401089	705656	1010224	1314791	1619358	2076209
	Min.	169735	157575	330163	502751	675339	847927	1106810
	End	188232	155057	459624	764192	1068759	1373326	1830177
PNS-250-5541-SRC FJ(H)	Start	534446	319682	624250	928817	1233384	1537952	1994803
	Min.	225627	95799	268387	440975	613563	786151	1045034
	End	261885	18431	322998	627566	932133	1236700	1693551
PNS-250-5541-SRC FJxD(H)	Start	558068		598141	902709	1207276	1511843	1968694
	Min.	239013		253592	426180	598768	771357	1030239
	End	285507		296890	601457	906025	1210592	1667443
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque OutputStart/Min./End (lb-in)					

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Torque Ratings: PNS-250

Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					
PNS-250-5541-SRC FM(H)	Start	782963		557529	862096	1166664	1471231	1928082
	Min.	313144		171658	344246	516834	689422	948304
	End	322252		48322	352889	657457	962024	1418875
Actuator Model	Spring Torque Start/Min./End (lb-in)		Operating Pressure (PSIG)					
			40	60	80	100	120	150
			Pressure Torque Output Start/Min./End (lb-in)					

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