

Pneumatic Actuator -Torque Table(Nm)



Unit: N.m

Model	Spring Set	Spring Torque		Air Supply Pressure									
				3 Bar		4 Bar		5 Bar		6 Bar		7 Bar	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
HTS-052	5	4.0	6.2	8.5	5.3	12.6	10.4						
	6	4.8	7.5	7.7	5.0	11.8	9.1						
	7	5.5	8.7	7.0	3.8	11.1	7.9						
	8	6.3	9.9			10.3	6.7	14.5	10.9				
	9	7.1	11.2			9.5	5.4	13.7	9.6				
	10	7.9	12.4			8.7	4.1	12.9	8.4	17.1	12.6		
	11	8.7	13.7					12.1	7.1	16.3	11.3	20.4	15.4
	12	9.5	14.9					11.3	5.9	15.5	10.1	19.6	14.2
HTS-063	5	7.0	10.8	15.0	11.2	22.3	18.5	29.6	25.8				
	6	8.5	13.0	13.5	9.0	20.8	16.3	28.1	23.7				
	7	9.9	15.1	12.0	6.9	19.4	14.2	26.7	21.5				
	8	11.3	17.3			18.0	12.0	25.3	19.3	32.6	26.6		
	9	12.7	19.4			16.5	9.9	23.9	17.2	31.2	24.5		
	10	14.0	21.6			15.3	7.7	22.6	15.0	29.9	22.3	37.2	29.6
	11	15.5	23.7			13.8	5.6	21.1	12.9	28.4	20.2	35.7	27.5
	12	16.9	25.9					19.7	10.7	27.0	18.0	34.3	25.3
HTS-075	5	11.9	17.5	23.4	17.8	35.1	29.5						
	6	14.2	21.0	21.1	14.3	32.8	26.0						
	7	16.6	24.5	18.7	10.8	30.4	22.5						
	8	19.0	28.0			28.0	19.0	39.8	30.8				
	9	21.3	31.5			25.7	15.5	37.5	27.3				
	10	23.7	35.0			23.3	12.0	35.1	23.8	46.8	35.5	58.6	47.3
	11	26.1	38.5					32.7	20.3	44.4	32.0	56.2	43.8
	12	28.4	41.0					30.4	16.8	42.1	28.5	53.9	40.3
HTS-083	5	14.5	21.7	30.9	23.8	46.1	38.9						
	6	17.4	26.0	28.1	19.5	43.3	34.6						
	7	20.3	30.4	25.2	15.1	40.3	30.2						
	8	23.2	34.7			37.4	25.9	52.6	41.1				
	9	16.1	39.1			34.5	21.5	49.7	36.7				
	10	29.0	43.4			31.6	17.2	46.8	32.4	62.0	47.6	77.1	62.7
	11	31.9	47.7					43.9	28.1	59.1	43.3	74.2	58.4
	12	34.8	52.1					41.0	23.7	56.2	38.8	71.3	54.0
HTS-092	5	25.5	38.0	50.3	37.8	75.5	63.0						
	6	30.6	45.6	45.2	30.2	70.4	55.4						
	7	35.7	53.2	40.1	22.6	65.3	47.8						
	8	40.8	60.8			60.2	40.2	85.5	65.5				
	9	45.9	68.4			55.1	32.7	80.4	57.9				
	10	51.0	76.0			50.0	25.0	75.3	50.3	100.6	75.6	125.8	100.8
	11	56.1	83.6					70.2	42.7	95.5	68.0	120.7	93.2
	12	61.2	91.2					65.1	35.1	90.4	60.4	115.6	85.6
HTS-105	5	33.2	49.8	68.6	52.0	103.6	87.0						
	6	39.9	59.8	61.9	42.0	96.9	77.0						
	7	46.5	69.7	55.3	32.1	90.3	67.1						
	8	53.1	76.7			83.7	60.1	116.6	90.0				
	9	59.8	79.7			77.0	57.4	109.9	80.3				
	10	66.4	89.4			70.4	47.2	103.3	70.1	137.3	104.0	171.2	138.0
	11	73.0	99.6					96.7	60.1	130.6	94.0	164.4	128.0
	12	79.7	109.6					90.0	50.2	123.9	84.1	157.9	118.1
HTS-125	5	59.4	70.0	115.5	88.0	173.8	146.3						
	6	71.3	86.9	103.6	70.6	161.9	128.9						
	7	83.1	104.3	91.8	53.5	150.0	111.6						
	8	95.0	121.6			138.2	94.2	196.5	152.5				
	9	106.9	139.0			126.3	76.8	184.6	135.1				
	10	118.8	156.4			114.4	59.4	172.7	117.7	231.0	176.0		
	11	130.6	173.8					160.9	100.4	219.2	158.7	277.5	217.0
	12	142.5	191.0					149.0	83.0	207.3	141.3	265.6	199.6
HTS-140	5	88.5	132.0	174.7	131.2	262.5	219.0						
	6	106.2	158.4	157.0	104.8	244.8	192.6						
	7	123.9	184.8	133.9	78.4	227.1	166.2						
	8	141.6	211.2			209.4	139.8	297.1	227.5				
	9	159.3	237.6			191.7	113.4	279.4	201.1				
	10	177.0	264.0			174.0	87.0	261.7	174.7	349.4	262.4	437.8	350.1
	11	194.7	290.4					244.0	148.3	331.7	236.0	419.5	323.8
	12	212.4	316.8					226.3	121.9	314.0	209.6	401.8	297.4

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HTS-160	5	136.5	204.0	264.6	197.1	398.3	330.8						
	6	163.8	244.9	237.3	156.2	371.0	289.9						
	7	191.1	285.7	210.0	115.4	343.7	249.1						
	8	218.4	326.5	182.7	74.6	316.4	208.3	450.1	341.9				
	9	245.7	367.3			289.1	167.5	422.8	301.2				
	10	273.0	408.1			261.8	126.7	395.5	260.4	529.2	394.1	706.9	549.1
	11	300.3	448.9					368.2	219.6	501.9	353.3	635.6	487.0
	12	327.6	489.7				340.9	178.8	474.6	312.5	608.3	446.2	
HTS-190	5	217.4	326.0	429.0	320.4	644.5	535.9						
	6	260.9	391.2	385.5	255.2	601.0	470.7						
	7	304.4	456.4	342.0	190.0	557.5	405.5						
	8	347.9	521.6			514.0	340.3	729.5	555.8				
	9	391.3	586.8			470.6	275.1	686.1	490.6				
	10	434.8	652.0			427.1	209.9	642.6	425.4	858.1	640.9	1073.6	856.4
	11	478.3	717.2					599.1	360.2	814.6	575.7	1030.1	791.2
	12	521.8	782.4				555.6	295.0	771.1	510.5	986.6	726.0	
HTS-210	5	298.8	447.8	589.6	440.6	885.7	736.7						
	6	358.6	537.3	529.8	351.1	825.9	647.7						
	7	418.3	626.9	470.1	261.5	766.2	557.6						
	8	478.1	716.4			706.4	468.1	1002.5	764.2				
	9	537.8	809.0			646.7	375.5	942.8	671.6				
	10	597.6	895.5			586.9	289.0	883.0	585.1	1179.1	881.2	1475.2	1177.3
	11	657.4	985.1					823.2	495.5	1119.3	791.6	1415.4	1087.7
	12	717.0	1074.6				763.5	406.0	1059.6	702.1	1355.7	998.2	
HTS-240	5	468.5	702.0	924.0	690.5	1488.1	1154.6						
	6	562.6	842.4	829.9	550.1	1294.0	1014.2						
	7	655.8	982.8	736.7	409.7	1200.8	873.8						
	8	749.5	1123.2			1107.1	733.4	1571.3	1197.6				
	9	843.2	1263.6			1013.4	593.0	1477.6	1057.2				
	10	936.9	1404.0			919.7	452.6	1383.9	916.8	1848.1	1381.0	2312.2	1846.1
	11	1030.6	1544.4					1290.2	776.4	1754.4	1240.6	2218.5	1704.7
	12	1124.3	1684.8					1196.5	636.0	1660.7	1100.2	2124.8	1564.3
HTS-270	5	658.5	987.0	1299.7	971.2	1952.4	1623.9						
	6	790.2	1184.4	1168.0	773.8	1820.7	1426.5						
	7	921.9	1381.8	1036.3	576.4	1689.0	1229.1						
	8	1053.6	1579.2			1557.3	1031.7	2210.0	1684.4				
	9	1185.3	1776.6			1425.6	834.3	2078.3	1487.0				
	10	1317.0	1974.0			1293.9	636.9	1946.6	1289.6	2599.3	1942.3	3252.0	2595.0
	11	1448.7	2171.4					1814.9	1092.2	2467.7	1744.9	3120.3	2397.6
	12	1580.4	2368.8					1683.2	894.8	2335.9	1547.5	2988.6	2200.2
HTS-300	5	800	1220	1603	1183								
	6	920	1337	1483	1066								
	7	1073	1559	1330	844	2132	1646						
	8	1226	1782	1177	621	1978	1423	2780	2224				
	9	1380	2004			1825	1201	2626	2002	3427	2803		
	10	1533	2228			1672	977	2473	1778	3274	2579	4075	3380
	11	1686	2450					2320	1556	3121	2357	3922	3158
	12	1922	2929					2084	1077	2885	1878	3686	2679
HTS-350	5	1199	2859	2399	1739								
	6	1478	2145	2120	1453								
	7	1724	2502	1874	1096	3074	2296						
	8	1971	2860	1627	738	2827	1938	4027	3138				
	9	2218	3217			2580	1581	3780	2781	4979	3980		
	10	2463	3575			2335	1223	3535	2423	4734	3622	5934	4822
	11	2710	3932					3288	2066	4487	3265	5687	4465
	12	2878	4461					3120	1537	4319	2736	5519	3936
HTS-400	5	1709	2648	3418	2479								
	6	2205	3457	2922	1670								
	7	2480	3888	2647	1239	4357	2949						
	8	2755	4321	2372	806	4082	2516	5791	4225				
	9	3031	4752			3806	2085	5515	3794	7224	5503		
	10	3306	5185			3531	1652	5240	3361	6949	5070	8658	6779
	11	3583	5616					4963	2930	6672	4639	8381	6348
	12	4101	6356					4445	2190	6154	3899	7863	5608