

PI Series

Torque Capacity table

No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)							Inertia Torque Self-consumed Ma (N·m)	
						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150		200
1	270	PI- 50	MCV 50	1	33.3	31.0	31.0	29.0	27.5	25.7	23.6	20.9	19.1	0.061
		PI- 63			71.6	55.6	51.0	47.7	45.2	42.3	38.8	34.3	31.5	0.152
		PI- 80			123.4	112.2	102.9	96.2	91.1	85.2	78.2	59.2	63.5	0.504
		PI-100			216.9	157.0	144.0	134.7	127.5	119.2	109.4	96.8	88.8	1.508
		PI-125			516.1	303.7	278.6	260.6	246.7	230.7	211.7	187.4	171.9	3.719
		PI-160			1175.3	620.7	569.4	532.5	504.2	471.5	432.6	383.0	351.3	11.990
		PI-200			1976.9	1186.7	1088.6	1018.1	963.9	901.5	827.0	782.3	671.7	35.493
	PI-250	3691.1	2163.2	1984.3	1855.8	1757.0	1643.3	1507.4	1334.8	1224.4	99.495			
	300	PI- 50	MCV 50	1	38.8	35.3	32.4	30.3	28.7	26.8	24.6	21.8	20.0	0.050
		PI- 63			84.9	57.3	52.6	49.2	46.6	43.6	40.0	35.4	32.5	0.123
		PI- 80			150.7	117.3	107.6	100.6	95.3	89.1	81.7	72.4	66.4	0.409
		PI-100			288.7	164.4	150.8	141.0	133.5	124.9	114.5	101.4	93.0	1.221
		PI-125			679.8	318.0	291.7	272.8	258.3	241.6	221.6	196.2	180.0	3.013
		PI-160			1373.4	650.1	596.3	557.7	528.0	493.8	453.0	401.1	368.0	9.712
PI-200		2595.0			1244.1	1141.2	1067.3	1010.5	945.1	866.9	767.6	704.2	28.748	
PI-250	4530.6	2270.0	2082.3	1947.5	1843.8	1724.4	1581.8	1400.7	1284.8	80.591				
2	180	PI- 50	MCV 50	1	31.5	29.9	29.9	29.9	28.3	26.5	24.3	21.5	19.7	0.074
		PI- 63			50.8	48.4	48.4	48.4	45.8	42.9	39.3	34.8	31.9	0.185
		PI- 80			100.0	98.3	98.3	98.3	93.1	87.0	79.8	70.7	64.8	0.612
		PI-100			154.4	148.1	148.1	138.5	131.1	122.6	112.5	99.6	91.4	1.838
		PI-125			339.6	311.8	286.1	267.5	253.3	236.9	217.3	192.4	176.5	4.638
		PI-160			784.5	644.4	591.1	552.8	523.4	489.5	449.0	397.6	364.7	14.997
		PI-200			1336.4	1216.9	1116.3	1044.0	988.4	924.4	848.0	750.9	688.8	43.789
	PI-250	2264.2	2219.3	2035.8	1903.9	1802.6	1685.9	1546.5	1369.4	1256.1	123.022			
	210	PI- 50	MS	1	39.7	36.2	33.2	31.1	29.4	27.5	25.2	22.3	20.5	0.037
		PI- 63			61.3	58.5	53.6	50.2	47.5	44.4	40.8	36.1	33.1	0.094
		PI- 80			127.5	118.8	109.0	101.9	96.5	90.2	82.8	73.3	67.2	0.310
		PI-100			194.9	167.5	153.6	143.7	136.0	127.2	116.7	103.3	94.8	0.931
		PI-125			424.4	323.4	296.6	277.4	262.7	245.7	225.3	199.5	183.0	2.350
		PI-160			1160.3	667.2	612.0	572.4	541.9	506.9	464.9	411.7	377.7	7.598
		PI-200			1565.1	1259.8	1155.7	1080.8	1023.3	957.1	877.9	777.4	713.1	22.184
	PI-250	2836.1	2298.9	2108.8	1972.3	1867.3	1746.4	1602.0	1418.5	1301.2	62.325			
	240	PI- 50	MS	1	39.2	37.2	34.2	31.9	30.2	28.3	25.9	23.0	21.1	0.028
		PI- 63			80.2	60.2	55.2	51.6	48.9	45.7	41.9	37.1	34.1	0.072
PI- 80		141.1			122.0	111.9	104.7	99.1	92.7	85.0	75.3	69.1	0.237	
PI-100		267.9			171.9	157.7	147.5	139.6	130.6	119.8	106.1	97.3	0.712	

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.

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No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)								Inertia Torque Self-consumed Ma (N·m)
						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150	200	
2	240	PI- 125	MS	1	635.2	332.2	304.7	285.0	269.8	252.3	231.5	205.0	188.0	1.799
		PI- 160			1155.1	685.5	628.8	588.1	556.8	520.7	477.7	423.0	388.0	5.817
		PI- 200			1854.6	1294.6	1187.5	1110.6	1051.5	983.4	902.1	798.8	732.7	16.985
		PI- 250			3243.1	2362.2	2166.8	2026.5	1918.7	1794.4	1646.1	1457.5	1337.0	47.717
	270	PI- 50	MS	1	35.6	35.1	35.1	32.8	31.1	29.1	26.7	23.6	21.7	0.023
		PI- 63			74.2	61.8	56.7	53.0	50.2	46.9	43.1	38.1	35.0	0.057
		PI- 80			120.3	115.2	115.2	107.7	102.0	95.4	87.5	77.5	71.1	0.187
		PI- 100			219.7	176.8	162.2	151.7	143.6	134.3	123.2	109.1	100.1	0.564
		PI- 125			460.8	341.7	313.4	293.1	277.5	259.5	238.1	210.8	193.4	1.422
		PI- 160			884.5	704.9	646.6	604.8	572.6	535.5	491.2	435.0	399.0	4.596
		PI- 200			1749.7	1331.9	1221.8	1142.7	1081.9	1011.8	928.1	821.8	753.9	13.420
		PI- 250			3065.8	2430.2	2229.3	2085.0	1974.0	1846.2	1693.5	1499.5	1375.6	37.703
	300	PI- 50	MS	1	36.5	36.2	36.2	33.8	32.0	29.9	27.5	24.3	22.3	0.019
		PI- 63			63.6	58.4	58.4	54.6	51.7	48.3	44.3	39.3	36.0	0.046
		PI- 80			112.2	110.8	110.8	110.8	104.9	98.1	90.0	79.7	73.1	0.152
		PI- 100			201.6	182.2	167.1	156.3	148.0	138.4	127.0	112.4	103.1	0.457
		PI- 125			403.5	352.2	323.1	302.1	286.1	267.5	245.4	217.3	199.3	1.152
		PI- 160			713.8	666.3	666.3	623.2	590.0	551.8	506.2	448.2	411.1	3.723
		PI- 200			1484.5	1372.9	1259.4	1177.9	1115.2	1043.0	956.7	847.1	777.1	10.870
		PI- 250			2225.2	2149.5	2149.5	2149.5	2035.1	1903.3	1746.0	1546.0	1418.2	30.539
	3	90	PI- 50	MS	1	23.1	21.4	21.4	20.0	18.9	17.7	16.2	14.4	13.2
PI- 63			39.4			38.2	35.0	32.7	31.0	29.0	26.6	23.5	21.6	0.302
PI- 80			66.3			65.3	65.3	65.3	61.8	57.8	53.0	46.9	43.1	1.003
PI- 100			95.4			95.3	95.3	95.3	90.2	84.3	77.4	68.5	62.8	3.014
PI- 125			194.8			192.6	192.6	180.1	170.5	159.5	146.3	129.5	118.8	7.324
PI- 160			406.2			390.3	390.3	390.3	369.6	345.6	317.0	280.7	257.5	23.986
120		PI- 50	MS	1	25.8	24.8	24.8	24.8	23.5	22.0	20.1	17.8	16.4	0.072
		PI- 63			57.6	46.6	42.8	40.0	37.9	35.4	32.5	28.8	26.4	0.176
		PI- 80			85.2	81.7	81.7	81.7	77.4	72.4	66.4	58.8	53.9	0.587
		PI- 100			183.8	133.2	122.2	114.3	108.2	101.2	92.8	82.2	75.4	1.754
		PI- 125			404.7	257.2	236.0	220.7	208.9	195.4	179.3	158.7	145.6	4.328
		PI- 160			945.9	524.1	480.8	449.6	425.7	398.1	365.2	323.4	296.6	13.952
		PI- 200			1629.6	1002.3	919.4	859.9	814.1	761.4	698.4	618.4	567.3	41.300
		PI- 250			2698.5	1828.6	1677.4	1568.8	1485.3	1389.1	1274.2	1128.3	1035.0	115.776
150		PI- 50	MS	1	42.5	29.2	26.8	25.1	23.8	22.2	20.4	18.0	16.6	0.045
		PI- 63			88.5	47.3	43.4	40.6	38.4	35.9	33.0	29.2	26.8	0.113

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.

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						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150	200	
3	150	PI- 80	MS	1	159.7	96.6	88.6	82.9	78.5	73.4	67.3	59.6	54.7	0.375
		PI-100			302.6	135.1	124.0	115.9	109.8	102.7	94.2	83.4	76.5	1.123
		PI-125			715.4	261.0	239.4	223.9	212.0	198.3	181.9	161.1	147.7	2.770
		PI-160			1428.9	531.6	487.7	456.1	431.8	403.9	370.5	328.0	300.9	8.929
		PI-200			2706.0	1017.0	932.9	872.5	826.1	772.6	708.7	627.5	575.6	26.432
		PI-250			4769.7	1855.9	1702.4	1592.2	1507.5	1409.8	1293.3	1145.2	1050.5	74.097
	180	PI- 50	MS	1	50.4	33.5	30.7	28.7	27.2	25.4	23.3	20.7	18.9	0.032
		PI- 63			103.5	54.0	49.6	46.4	43.9	41.0	37.7	33.3	30.6	0.081
		PI- 80			186.6	109.7	100.6	94.1	89.1	83.3	76.4	67.7	62.1	0.268
		PI-100			354.4	154.4	141.7	132.5	125.4	117.3	107.6	95.3	87.4	0.804
		PI-125			834.9	298.4	273.7	256.0	242.4	226.7	207.9	184.1	168.9	1.999
		PI-160			1664.8	616.5	565.5	528.9	500.8	468.3	429.6	380.4	348.9	6.469
		PI-200			3164.2	1163.1	1066.9	997.8	944.7	883.6	810.5	717.7	658.3	19.000
		PI-250			5558.4	2122.5	1947.0	1820.9	1724.0	1612.4	1479.1	1309.7	1201.4	53.307
	210	PI- 50	MS	1	52.6	33.8	31.0	29.0	27.5	25.7	23.6	20.9	19.1	0.024
		PI- 63			97.0	54.7	50.2	46.9	44.4	41.6	38.1	33.8	31.0	0.060
		PI- 80			190.4	111.0	101.9	95.3	90.2	84.3	77.4	68.5	62.8	0.197
		PI-100			316.7	156.5	143.6	134.3	127.1	118.9	109.1	96.6	88.6	0.590
		PI-125			795.0	302.5	277.5	259.5	245.7	229.8	210.8	186.6	171.2	1.469
		PI-160			1319.9	624.7	573.1	536.0	507.4	474.6	435.3	385.5	353.6	4.753
		PI-200			2837.2	1179.2	1081.7	1011.7	957.8	895.8	821.7	727.6	667.4	13.959
		PI-250			4059.2	2152.2	1974.3	1846.4	1748.1	1634.9	1499.8	1328.0	1218.2	39.165
	240	PI- 50	MS	1	61.3	40.4	37.1	34.7	32.8	30.7	28.2	25.0	22.9	0.019
		PI- 63			127.0	65.9	60.5	56.5	53.5	50.1	45.9	40.7	37.3	0.048
		PI- 80			227.9	133.3	122.3	114.4	108.3	101.3	92.9	82.3	75.5	0.158
		PI-100			432.6	186.8	171.3	160.2	151.7	141.9	130.1	115.2	105.7	0.474
		PI-125			1015.6	357.4	327.9	306.6	290.3	271.5	249.1	220.5	202.3	1.192
		PI-160			2028.5	740.4	679.2	635.2	601.4	562.5	516.0	456.9	419.1	3.858
		PI-200			3863.7	1407.4	1291.1	1207.5	1143.2	1069.2	980.8	868.4	796.6	11.302
		PI-250			6774.2	2569.5	2357.0	2204.4	2087.1	1951.9	1790.5	1585.5	1454.4	31.752
270	PI- 50	MS	1	58.2	40.9	37.5	35.1	33.2	31.1	28.5	25.2	23.1	0.015	
	PI- 63			124.6	66.8	61.3	57.3	54.3	50.8	46.6	41.2	37.8	0.038	
	PI- 80			211.3	135.1	124.0	115.9	109.8	102.7	94.2	83.4	76.5	0.125	
	PI-100			413.1	189.5	173.8	162.6	153.9	144.0	132.1	116.9	107.3	0.375	
	PI-125			854.2	362.5	332.5	311.0	294.4	275.3	252.6	223.6	205.2	0.942	
	PI-160			1566.2	751.4	689.3	644.6	610.3	570.8	523.6	463.6	425.3	3.049	

Notes

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						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150		200
3	270	PI- 200	MS	1	3329.6	1428.2	1310.1	1225.3	1160.1	1085.0	995.2	881.3	808.4	8.931
		PI- 250			4897.6	2607.2	2391.6	2236.8	2117.7	1980.6	1816.8	1608.7	1475.7	25.088
	300	PI- 50	MS	1	51.9	41.5	38.0	35.6	33.7	31.5	28.9	25.6	23.5	0.012
		PI- 63			94.6	67.7	62.1	58.1	55.0	51.5	47.2	41.8	38.3	0.030
		PI- 80			168.9	137.1	125.7	117.6	111.3	104.1	95.5	84.6	77.6	0.101
		PI- 100			432.6	186.8	171.3	160.2	151.7	141.9	130.1	115.2	105.7	0.304
		PI- 125			528.4	367.6	337.2	315.4	298.6	279.2	256.2	226.8	208.1	0.762
		PI- 160			1243.6	762.1	699.1	653.9	619.1	579.0	531.1	470.3	431.4	2.470
		PI- 200			2156.9	1449.6	1329.7	1243.6	1177.4	1101.2	1010.1	894.4	820.5	7.233
PI- 250	4242.3	2646.5	2427.7	2270.5	2149.6	2010.4	1844.2	1633.0	1497.9	20.321				
4	90	PI- 50	MCV25	1	25.3	24.9	24.9	24.9	23.6	22.0	20.2	17.9	16.4	0.110
		PI- 63			33.6	32.7	32.7	32.7	32.7	32.7	32.7	29.0	26.6	0.275
		PI- 80			83.6	82.2	82.2	82.2	77.8	72.8	66.8	59.1	54.2	0.912
		PI- 100			134.4	133.9	122.8	114.9	108.7	101.7	93.3	82.6	75.8	2.733
		PI- 125			289.0	258.6	237.2	221.9	210.1	196.5	180.2	159.6	146.4	6.826
		PI- 160			467.5	451.4	451.4	451.4	427.4	399.7	366.6	324.6	297.8	21.965
		PI- 200			1125.6	1007.2	923.9	864.1	818.1	765.1	701.8	621.5	570.1	64.752
		PI- 250			1918.5	1837.7	1685.8	1576.6	1492.7	1396.0	1280.6	1133.9	1040.2	181.730
	120	PI- 50	MS	1	33.6	32.2	29.5	27.6	26.2	24.5	22.4	19.9	18.2	0.057
		PI- 63			65.9	53.8	49.4	46.2	43.7	40.7	37.5	33.2	30.5	0.144
		PI- 80			116.9	110.2	101.1	94.6	89.5	83.7	76.8	68.0	62.4	0.474
		PI- 100			222.9	153.8	141.0	131.9	124.9	116.8	107.1	94.9	87.0	1.426
		PI- 125			525.1	297.1	272.5	254.9	241.3	225.7	207.0	183.3	168.2	3.599
		PI- 160			1080.7	613.2	562.5	526.1	498.1	465.8	427.3	378.4	347.1	11.635
		PI- 200			2048.9	1156.8	1061.2	992.4	939.6	878.8	806.1	173.8	654.8	33.970
		PI- 250			3501.5	2111.7	1937.1	1811.6	1715.2	1604.1	1471.5	1303.0	1195.2	95.432
	150	PI- 50	MS	1	41.2	33.8	31.0	29.0	27.5	25.7	23.6	20.9	19.1	0.036
		PI- 63			84.9	54.5	50.0	46.7	44.3	41.4	38.0	33.6	30.8	0.092
		PI- 80			153.3	112.6	103.3	96.6	91.5	85.6	78.5	69.5	63.8	0.304
		PI- 100			291.5	155.9	143.0	133.8	126.6	118.4	108.7	96.2	88.3	0.912
		PI- 125			693.1	301.1	276.2	258.3	244.6	228.7	209.8	185.8	170.4	2.303
		PI- 160			1309.1	621.4	570.0	533.1	504.7	472.1	433.0	383.4	351.7	7.446
		PI- 200			2626.4	1173.0	1076.0	1006.4	952.8	891.1	817.4	723.8	664.0	21.740
		PI- 250			4620.5	2141.2	1964.2	1837.0	1739.2	1626.6	1492.1	1321.2	1212.0	61.079
180	PI- 50	MS	1	48.2	40.6	37.2	34.8	32.9	30.8	28.3	25.0	23.0	0.027	
	PI- 63			100.2	66.1	60.7	56.7	53.7	50.2	46.1	40.8	37.4	0.069	

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						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150	200	
4	180	PI- 80	MS	1	180.5	133.6	122.6	114.7	108.6	101.5	93.1	82.5	75.6	0.224
		PI-100			342.5	187.2	171.7	160.6	152.1	142.2	130.5	115.5	106.0	0.674
		PI-125			809.6	357.9	328.3	307.0	290.7	271.9	249.4	220.8	202.6	1.719
		PI-160			1619.4	740.8	679.5	635.5	601.7	562.7	516.2	457.1	419.3	5.562
		PI-200			3080.9	1409.4	1292.8	1209.1	1144.8	1070.6	982.1	869.6	797.7	16.192
		PI-250			5414.1	2574.4	2361.5	2208.6	2091.1	1955.7	1794.0	1588.5	1457.1	45.557
	210	PI- 50	MS	1	47.2	41.0	37.6	35.2	33.3	31.2	28.6	25.3	23.2	0.020
		PI- 63			94.1	66.9	61.4	57.4	54.4	50.9	46.6	41.3	37.9	0.050
		PI- 80			177.6	135.4	124.2	116.1	109.9	102.8	94.3	83.5	76.6	0.165
		PI-100			300.9	189.6	173.9	162.7	154.0	144.0	132.1	117.0	107.3	0.495
		PI-125			733.6	362.8	332.8	311.2	294.7	275.6	252.8	223.9	205.3	1.263
		PI-160			1279.3	750.7	688.6	644.1	609.8	570.3	523.1	463.2	424.9	4.086
		PI-200			2539.1	1428.8	1310.7	1225.8	1160.5	1085.4	995.6	881.6	808.7	11.896
	240	PI- 50	MS	1	41.5	38.0	38.0	35.6	33.7	31.5	28.9	25.6	23.5	0.015
		PI- 63			89.8	67.7	62.1	58.1	55.0	51.5	47.2	41.8	38.3	0.038
		PI- 80			127.2	125.7	125.7	117.6	111.3	104.1	95.5	84.6	77.6	0.126
		PI-100			252.1	192.1	176.2	164.8	156.1	146.0	133.9	118.6	108.8	0.379
		PI-125			571.8	367.2	336.9	315.1	298.3	279.0	255.9	226.6	207.9	0.967
		PI-160			878.8	760.2	697.3	652.2	617.5	577.5	529.7	469.1	430.3	3.128
		PI-200			1717.6	1447.1	1327.4	1241.5	1175.4	1099.3	1008.4	892.9	819.1	9.108
		PI-250			2946.3	2644.2	2425.6	2268.5	2147.8	2008.7	1842.6	1631.6	1496.7	25.626
	270	PI- 50	MS	1	37.4	36.0	36.0	36.0	34.1	31.8	29.2	25.9	23.7	0.012
		PI- 63			77.2	68.5	62.9	58.8	55.7	52.1	47.8	42.3	38.8	0.030
		PI- 80			128.2	127.2	127.2	119.0	112.6	105.3	96.6	85.6	78.5	0.100
		PI-100			225.4	194.4	178.3	166.8	157.9	147.7	135.5	120.0	110.0	0.300
		PI-125			434.5	371.8	341.1	319.0	302.0	282.5	259.1	229.4	210.5	0.764
		PI-160			843.1	769.8	706.1	660.4	625.3	584.8	536.4	475.0	435.7	2.472
		PI-200			1716.8	1465.6	1344.4	1257.3	1190.4	1113.3	1021.3	904.3	829.5	7.196
PI-250		2353.2			2298.5	2298.5	2298.5	2176.1	2035.2	1867.0	1653.1	1516.4	20.248	
300	PI- 50	MS	1	37.5	36.4	36.4	36.4	34.4	32.2	29.5	26.1	24.0	0.010	
	PI- 63			63.6	59.5	59.5	59.5	56.3	52.7	48.3	42.8	39.2	0.025	
	PI- 80			121.7	120.4	120.4	120.4	114.0	106.6	97.8	86.6	79.5	0.080	
	PI-100			203.4	196.8	180.5	168.9	159.9	149.5	137.2	121.4	111.4	0.243	
	PI-125			328.9	323.0	323.0	323.0	305.8	286.0	262.4	232.3	213.1	0.618	
	PI-160			631.2	592.2	592.2	592.2	592.2	592.2	543.2	481.0	441.2	2.002	

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.

PI Series

Torque Capacity table

No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)								Inertia Torque Self-consumed Ma (N·m)
						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150	200	
4	300	PI- 200	MS	1	1244.1	1206.2	1206.2	1206.2	1206.2	1128.1	1034.8	916.3	840.5	5.829
		PI- 250			2345.0	2328.8	2328.8	2328.8	2204.8	2062.1	1891.6	1674.9	1536.4	16.400
6	120 (60x2)	PI- 50	MS	2	19.9	19.8	19.8	19.8	18.7	17.5	16.1	14.2	13.1	0.034
		PI- 63			34.7	32.5	32.5	32.5	30.8	28.8	26.4	23.4	21.5	0.085
		PI- 80			67.2	65.0	65.0	65.0	61.5	57.5	52.8	46.7	42.9	0.282
		PI- 100			130.5	110.7	101.5	95.0	89.9	84.1	77.1	68.3	62.7	0.848
		PI- 125			195.1	192.0	192.0	179.5	170.0	159.0	145.8	129.1	118.4	2.060
		PI- 160			318.5	316.0	316.0	316.0	316.0	316.0	316.0	279.8	256.7	6.746
		PI- 200			800.9	764.6	764.6	715.1	677.0	633.2	580.8	514.3	471.8	19.851
		PI- 250			1155.4	1067.2	1067.2	1067.2	1067.2	1067.2	1067.2	945.0	866.8	55.679
	150 (75x2)	PI- 50	MS	2	31.4	23.4	21.5	20.1	19.0	17.8	16.3	14.4	13.3	0.022
		PI- 63			58.5	42.5	39.0	36.5	34.5	32.3	29.6	26.2	24.1	0.054
		PI- 80			117.8	76.8	70.4	65.9	62.4	58.3	53.5	47.4	43.4	0.180
		PI- 100			221.3	112.3	103.0	96.3	91.2	85.3	78.2	69.3	63.6	0.543
		PI- 125			521.5	212.4	194.8	182.2	172.5	161.3	148.0	131.0	120.2	1.318
		PI- 160			1027.7	460.3	422.3	394.9	373.9	349.7	320.8	284.0	260.6	4.317
		PI- 200			1970.6	846.0	776.0	725.8	687.2	642.7	589.5	522.0	478.8	12.705
		PI- 250			3395.1	1554.9	1426.3	1334.0	1263.0	1181.2	1083.5	959.4	880.1	35.635
	180 (90x2)	PI- 50	MS	2	33.0	32.6	29.9	27.9	26.4	24.7	22.7	20.1	18.4	0.017
		PI- 63			60.3	52.5	48.2	45.1	42.7	39.9	36.6	32.4	29.7	0.040
		PI- 80			114.5	106.8	98.0	91.6	86.8	81.1	74.4	65.9	60.5	0.134
		PI- 100			183.1	150.6	138.1	129.2	122.3	114.4	104.9	92.9	85.2	0.402
		PI- 125			462.6	291.1	267.0	249.7	236.4	221.1	202.8	179.6	164.7	1.000
		PI- 160			991.9	601.7	551.9	516.2	488.7	457.0	419.3	371.2	340.5	3.234
		PI- 200			1809.5	1135.3	1041.5	974.0	922.2	862.5	791.2	700.5	642.6	9.500
		PI- 250			3084.6	2072.6	1901.2	1778.1	1683.5	1574.5	1444.3	1278.9	1173.1	26.653
	210 (105x2)	PI- 50	MS	2	45.0	32.9	30.2	28.2	26.7	25.0	22.9	20.3	18.6	0.012
		PI- 63			92.3	53.2	48.8	45.7	43.2	40.4	37.1	32.8	30.1	0.029
		PI- 80			167.4	108.3	99.3	92.9	88.0	82.3	75.5	66.8	61.3	0.098
		PI- 100			316.5	152.7	140.1	131.0	124.1	116.0	106.4	94.2	86.4	0.295
		PI- 125			731.1	295.4	271.0	253.4	239.9	224.4	205.8	182.3	167.2	0.734
		PI- 160			1493.6	610.6	560.1	523.8	495.9	463.8	425.5	376.7	345.6	2.377
		PI- 200			2830.7	1152.1	1056.9	988.4	935.8	875.2	802.9	710.9	652.1	6.980
		PI- 250			4874.0	2103.5	1929.6	1804.7	1708.6	1598.0	1465.8	1298.0	1190.6	19.582
240 (120x2)	PI- 50	MS	2	51.5	33.4	30.6	28.6	27.1	25.3	23.2	20.6	18.9	0.009	
	PI- 63			105.7	53.9	49.5	46.3	43.8	41.0	37.6	33.3	30.5	0.023	

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.

PI Series

Torque Capacity table

No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)							Inertia Torque Self-consumed Ma (N·m)		
						Input Shaft Revolution(rpm)									
						30	40	50	60	75	100	150		200	
6	240 (120x2)	PI- 80	MS	2	190.2	109.4	100.4	93.9	88.9	83.1	76.3	65.5	61.9	0.075	
		PI- 100			361.5	154.2	141.5	132.3	125.3	117.1	107.5	95.2	87.3	0.226	
		PI- 125			851.0	297.7	273.1	255.4	241.8	226.1	207.4	183.7	168.5	0.563	
		PI- 160			1704.6	614.0	563.2	526.8	498.7	466.4	427.9	378.9	347.5	1.819	
		PI- 200			3220.2	1157.7	1062.0	993.2	940.4	879.5	806.8	714.4	655.3	5.344	
		PI- 250			5673.9	2113.0	1938.3	1812.8	1716.3	1605.2	1472.5	1303.8	1196.0	14.993	
	270 (135x2)	PI- 50	MS	2	56.0	39.4	36.2	33.8	32.0	29.9	27.5	24.3	22.3	0.008	
		PI- 63			116.5	64.4	59.1	55.3	52.3	48.9	44.9	39.8	36.5	0.019	
		PI- 80			209.0	130.3	119.6	111.8	105.9	99.0	90.8	80.4	73.8	0.063	
		PI- 100			396.9	183.0	167.9	157.0	148.6	139.0	127.5	112.9	103.6	0.187	
		PI- 125			937.7	350.8	321.8	301.0	284.9	266.5	244.5	216.5	198.6	0.471	
		PI- 160			1893.7	728.1	667.9	624.7	591.4	553.1	507.4	449.3	412.1	1.524	
		PI- 200			3585.1	1383.2	1268.8	1186.7	1123.5	1050.8	963.9	853.5	782.9	4.465	
	300 (150x2)	PI- 50	MS	2	62.0	39.9	36.6	34.2	32.4	30.3	27.8	24.6	22.6	0.006	
		PI- 63			128.4	65.2	59.8	56.0	53.0	49.5	45.5	40.2	36.9	0.016	
		PI- 80			230.0	132.2	121.2	113.4	107.4	100.4	92.1	81.5	74.8	0.051	
		PI- 100			435.2	185.5	170.2	159.2	150.7	140.9	129.3	114.5	105.0	0.152	
		PI- 125			1020.8	354.1	324.8	303.8	287.6	269.0	246.8	218.5	200.4	0.381	
		PI- 160			2053.2	731.8	671.3	627.8	594.4	555.9	509.9	451.5	414.2	1.235	
		PI- 200			3895.4	1392.4	1277.2	1194.5	1130.9	1057.7	970.3	859.1	788.1	3.617	
		PI- 250			6813.0	2542.5	2332.3	2181.3	2065.2	1931.5	1771.8	1568.8	1439.1	10.161	
	8	120 (60x2)	PI- 50	MS	2	25.8	24.8	24.8	24.8	23.5	22.0	20.1	17.8	16.4	0.027
			PI- 63			43.8	42.8	42.8	40.0	37.9	35.4	32.5	28.8	26.4	0.070
			PI- 80			90.1	87.4	87.4	81.7	77.4	72.4	66.4	58.8	53.9	0.229
PI- 100			118.8			114.4	114.4	114.4	108.3	101.3	92.9	82.3	75.5	0.686	
PI- 125			258.2			257.6	236.3	221.0	209.2	195.7	179.5	158.9	145.8	1.714	
PI- 160			565.0			524.8	481.4	450.2	426.2	398.6	365.7	323.8	297.0	5.515	
PI- 200			1363.0			1132.5	1038.8	971.6	919.9	860.3	789.2	698.8	641.0	16.985	
150 (75x2)		PI- 50	MS	2	31.2	29.2	26.8	25.1	23.8	22.2	20.4	18.0	16.6	0.018	
		PI- 63			65.0	47.3	43.4	40.6	38.4	35.9	33.0	29.2	26.8	0.044	
		PI- 80			117.1	96.8	88.8	83.0	78.6	73.5	67.4	59.7	54.8	0.147	
		PI- 100			220.7	135.2	124.1	116.0	109.9	102.7	94.2	83.5	76.6	0.439	
		PI- 125			521.0	261.6	240.0	224.4	212.5	198.7	182.3	161.4	148.1	1.097	
		PI- 160			1060.5	531.3	487.4	455.8	431.5	403.6	370.2	327.8	300.7	3.530	

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.

PI Series

Torque Capacity table

No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)							Inertia Torque Self-consumed Ma (N·m)	
						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150		200
8	150 (75x2)	PI- 200	MS	2	1630.7	1151.2	1056	987.6	935.1	874.5	802.2	710.3	651.6	10.870
		PI- 250			2749.4	2101.6	1927.8	1803.0	1707.0	1598.5	1464.5	1296.8	1189.5	30.539
	180 (90x2)	PI- 50	MS	2	35.1	33.8	33.8	33.8	32.0	29.9	27.5	24.3	22.3	0.014
		PI- 63			56.9	55.2	55.2	55.2	52.2	48.9	44.8	39.7	36.4	0.034
		PI- 80			113.2	111.6	111.6	111.6	105.7	98.8	90.7	80.3	73.6	0.112
		PI- 100			181.4	167.3	167.3	156.5	148.2	138.6	127.1	112.6	103.3	0.337
		PI- 125			457.0	349.1	320.2	299.5	283.5	265.2	243.3	215.4	197.6	0.859
		PI- 160			961.7	723.4	663.6	620.6	587.6	549.6	504.1	446.4	409.5	2.781
		PI- 200			1657.0	1374.5	1260.9	1179.2	1116.5	1044.2	957.8	848.1	778	8.096
		PI- 250			2904.1	2511.1	2303.5	2154.3	2039.7	1907.6	1749.9	1549.4	1421.3	22.778
	210 (105x2)	PI- 50	MS	2	42.1	39.9	36.6	34.2	32.4	30.3	27.8	24.6	22.6	0.010
		PI- 63			86.9	65.2	59.8	56.0	53.0	49.5	45.5	40.2	36.9	0.025
		PI- 80			157.2	132.1	121.1	113.3	1073.0	100.3	92.0	81.5	74.7	0.082
		PI- 100			301.4	185.1	169.8	158.8	150.3	140.6	129.0	114.2	104.7	0.248
		PI- 125			709.1	354.2	324.9	303.9	287.7	269.1	246.8	218.6	200.5	0.631
		PI- 160			1451.3	733.8	673.1	629.6	596.0	557.4	511.4	452.8	415.3	2.043
		PI- 200			2686.4	1396.8	1281.3	1198.3	1134.6	1061.1	973.4	861.9	790.6	5.948
		PI- 250			4681.6	2549.7	2338.9	2187.5	2071.0	1936.9	1776.8	1573.3	1443.2	16.735
	240 (120x2)	PI- 50	MS	2	49.1	40.3	37.0	34.6	32.8	30.6	28.1	24.9	22.8	0.008
		PI- 63			100.5	66.0	60.6	56.6	53.6	50.2	46.0	40.7	37.4	0.020
		PI- 80			182.3	133.5	122.5	114.6	108.5	101.4	93.1	82.4	75.6	0.063
		PI- 100			343.9	186.7	171.2	160.1	151.6	141.8	130.1	115.2	105.6	0.189
		PI- 125			814.5	356.4	326.9	305.8	289.5	270.7	248.4	219.9	201.7	0.483
		PI- 160			1629.8	735.8	674.9	631.2	597.6	558.9	512.7	454.0	416.4	1.564
		PI- 200			2772.4	1401.0	1285.2	1202.0	1138.0	1064.3	976.3	864.5	793.0	4.554
		PI- 250			4164.8	2559.1	2347.5	2195.5	2078.6	1944.0	1783.3	1579.0	1448.5	12.813
	270 (135x2)	PI- 50	MS	2	51.5	40.8	37.4	35.0	33.1	31.0	28.4	25.2	23.1	0.006
		PI- 63			104.7	66.3	60.8	56.8	53.8	50.3	46.2	40.9	37.5	0.016
		PI- 80			188.2	133.9	122.8	114.9	108.7	101.7	93.3	82.6	75.8	0.050
		PI- 100			321.9	187.1	171.6	160.5	152.0	142.1	130.4	115.5	105.9	0.150
PI- 125		714.3			357.1	327.6	306.3	290.0	271.3	248.8	220.3	202.1	0.382	
PI- 160		1235.6			737.8	676.8	633.0	599.3	560.5	514.1	455.3	417.6	1.236	
PI- 200		2447.8			1404.7	1288.5	1205.1	1141.0	1067.1	978.9	866.7	795.1	3.599	
PI- 250		3745.3			2564.2	2352.2	2199.9	2082.8	1947.9	1786.9	1582.2	1451.4	10.123	
300 (150x2)	PI- 50	MS	2	41.5	40.8	37.4	35.0	33.1	31.0	28.4	25.2	23.1	0.005	
	PI- 63			89.8	66.5	61.0	57.0	54.0	50.5	46.3	41.0	37.6	0.013	

Notes

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PI Series

Torque Capacity table

No. of stops S	Index Angle α (deg)	MYDEX Model Number	Cam Motion Law	Cam type	Static Torque MI (N·m)	Dynamic Torque Mr (N·m)							Inertia Torque Self-consumed Ma (N·m)	
						Input Shaft Revolution(rpm)								
						30	40	50	60	75	100	150		200
8	300 (150x2)	PI- 80	MS	2	144.9	134.0	122.9	115.0	108.8	101.8	93.4	82.7	75.8	0.040
		PI-100			284.7	187.6	172.1	160.9	152.4	142.5	130.7	115.7	106.2	0.122
		PI-125			605.9	358.0	328.4	307.1	290.8	272.0	249.5	220.9	202.6	0.310
		PI-160			885.0	739.1	678.0	634.1	600.3	561.4	515.0	456.0	418.3	1.002
		PI-200			1911.0	1407.7	1291.3	1207.7	1143.4	1069.3	980.9	868.6	796.8	2.915
		PI-250			3252.2	2571.3	2358.7	2206.0	2088.6	1953.3	1791.8	1586.6	1455.4	8.201

Notes

- The dynamic rated output torque rigidity and whether backlash driven layout installation, a guide has been calculated at 10,000 hours life expectancy every normal state.
- Static rated output torque is the maximum permissible torque acting on the output shaft.
- Internal inertia torque output shaft in the self-inertia, input shaft speed value at 100rpm.