

# PPO Series

# Torque Capacity table

Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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	
15	45	PPO- 80	MS	2	189.7	76.6	70.2	65.7	62.2	58.2	53.4	47.3	43.3	0.731
		PPO- 100			288.7	165.2	151.5	141.7	134.2	125.5	115.1	101.9	93.5	2.358
		PPO- 125			655.7	306.8	281.4	263.2	249.2	233.1	213.8	189.3	173.6	12.515
		PPO- 150			1301.8	468.6	429.8	402	380.6	356.0	326.5	289.1	265.2	5.918
		PPO- 175			2435.6	718.0	658.6	616.0	583.2	545.4	500.3	443.0	406.4	25.37
		PPO- 200			5137.8	1258.4	1154.3	1079.6	1022.1	955.9	876.9	776.5	712.3	37.871
	60	PPO- 80	MS	2	189.7	77.5	71.1	66.5	63.0	58.9	54.0	47.8	43.9	0.411
		PPO- 100			288.7	166.8	153.0	143.1	135.5	126.7	116.2	102.9	94.4	1.327
		PPO- 125			655.7	310.8	285.1	266.6	252.4	236.1	216.5	191.7	175.9	7.04
		PPO- 150			1301.8	471.6	432.6	404.6	383.1	358.3	328.6	291.0	266.9	3.329
		PPO- 175			2435.6	719.4	659.9	617.2	584.3	546.5	501.3	443.9	407.2	14.271
		PPO- 200			5137.8	1261.6	1157.3	1082.4	1024.8	958.4	879.2	778.5	714.1	21.302
	75	PPO- 80	MS	2	189.7	78.2	71.7	67.1	63.5	59.4	54.5	48.3	44.3	0.263
		PPO- 100			288.7	167.7	153.9	143.9	136.2	127.4	116.9	103.5	94.9	0.849
		PPO- 125			655.7	313.7	287.7	269.1	254.8	238.3	218.6	193.5	177.5	4.505
		PPO- 150			1301.8	472.2	433.2	405.1	383.5	358.7	329.0	291.4	267.3	2.13
		PPO- 175			2435.6	720.3	660.7	617.9	585.0	547.2	501.9	444.4	407.7	9.133
		PPO- 200			5137.8	1263.8	1159.3	1084.3	1026.6	960.1	880.7	779.8	715.3	13.634
	90	PPO- 80	MS	2	189.7	78.6	72.1	67.4	63.8	59.7	54.7	48.5	44.5	0.183
		PPO- 100			288.7	168.1	154.2	144.2	136.5	127.7	117.1	103.7	95.1	0.59
		PPO- 125			655.7	315.3	289.2	270.5	256.1	239.5	219.7	194.5	178.5	3.129
		PPO- 150			1301.8	472.6	433.5	405.5	383.9	359.0	329.3	291.6	267.5	1.479
		PPO- 175			2435.6	720.9	661.3	618.5	585.6	547.7	502.4	444.8	408.1	6.343
		PPO- 200			5137.8	1265.4	1160.8	1085.6	1027.8	961.3	881.8	780.8	716.2	9.468
120	PPO- 80	MS	2	189.7	78.9	72.4	67.7	64.1	59.9	55.0	48.7	44.7	0.103	
	PPO- 100			288.7	168.0	154.1	144.1	136.4	127.6	117.0	103.6	95.1	0.332	
	PPO- 125			655.7	316.6	290.4	271.6	257.1	240.5	220.6	195.3	179.2	1.76	
	PPO- 150			1301.8	473.2	434.1	405.9	384.3	359.5	329.7	292.0	267.8	0.832	
	PPO- 175			2435.6	721.8	662.1	619.3	586.3	548.3	503.0	445.4	408.6	3.568	
	PPO- 200			5137.8	1267.6	1162.8	1087.5	1029.6	962.9	883.3	782.1	717.5	5.326	
150	PPO- 80	MS	2	189.7	79.0	72.5	67.8	64.2	60.0	55.1	48.8	44.7	0.066	
	PPO- 100			288.7	167.4	153.5	143.6	136.0	127.2	116.6	103.3	94.7	0.212	
	PPO- 125			655.7	317.2	290.9	272.1	257.6	240.9	221.0	195.7	179.5	1.126	
	PPO- 150			1301.8	473.6	434.4	406.3	384.6	359.7	330.0	292.2	268.0	0.533	
	PPO- 175			2435.6	722.4	662.7	619.8	586.8	548.8	503.4	445.8	408.9	2.283	
	PPO- 200			5137.8	1269.0	1164.1	1088.7	1030.8	964.0	884.3	783.0	718.3	3.408	

## 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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# Torque Capacity table

Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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	
15	180	PPO- 80	MS	2	189.7	78.3	71.9	67.2	63.6	59.5	54.6	48.3	44.3	0.041
		PPO- 100			288.7	165.2	151.5	141.7	134.2	125.5	115.1	101.9	93.5	0.132
		PPO- 125			655.7	314.7	288.7	270	255.6	239.1	219.3	194.2	178.1	0.698
		PPO- 150			1301.8	470.2	431.3	403.4	381.9	357.2	327.7	290.1	266.2	0.33
		PPO- 175			2435.6	717.4	658.1	615.5	582.7	545.0	499.9	442.7	406.1	1.415
		PPO- 200			5137.8	1260.7	1156.4	1081.5	1024.0	957.7	878.5	777.9	713.6	2.113
30	45	PPO- 80	MS	2	67.1	30.4	27.9	26.1	24.7	23.1	21.2	18.8	17.2	1.462
		PPO- 100			144.4	64.2	58.9	55.1	52.2	48.8	44.8	39.6	36.4	4.713
		PPO- 125			438.3	115.7	106.2	99.3	94.0	87.9	80.7	71.4	65.5	25.02
		PPO- 150			897.5	202.3	185.6	173.6	164.3	153.7	141.0	124.8	114.5	11.814
		PPO- 175			839.3	364.0	333.9	312.3	295.7	276.5	253.6	224.6	206.0	50.695
		PPO- 200			1049.1	441.5	405.0	378.8	358.6	335.4	307.6	272.4	249.9	75.563
	60	MS	2	PPO- 80	189.7	75.1	68.9	64.4	61.0	57.0	52.3	46.3	42.5	0.823
				PPO- 100	288.7	158.1	145.0	135.6	128.4	120.1	110.1	97.5	89.5	2.653
				PPO- 125	655.7	306.5	281.2	263.0	249.0	232.9	213.6	189.2	173.5	14.079
				PPO- 150	1301.8	460.6	422.5	395.2	374.1	349.9	321.0	284.2	260.7	6.657
				PPO- 175	2435.6	703.4	645.2	603.5	571.3	534.4	490.2	434.0	398.1	28.541
				PPO- 200	4466.2	1178.4	1081.0	1011.0	957.2	895.2	821.2	727.1	667.0	42.57
	75	MS	2	PPO- 80	189.7	76.0	69.7	65.2	61.7	57.7	53.0	46.9	43.0	0.527
				PPO- 100	288.7	160.0	146.8	137.3	130.0	121.6	111.5	98.7	90.6	1.698
				PPO- 125	655.7	309.5	283.9	265.6	251.4	235.1	215.7	191.0	175.2	9.011
				PPO- 150	1301.8	463.3	425.0	397.5	376.3	351.9	322.8	285.9	262.2	4.261
				PPO- 175	2435.6	706.2	647.8	605.9	573.6	536.5	492.1	435.8	399.7	18.266
				PPO- 200	5137.8	1231.5	1129.7	1056.5	1000.3	935.5	858.2	759.9	697.0	27.267
	90	MS	2	PPO- 80	189.7	76.8	70.5	65.9	62.4	58.4	53.5	47.4	43.5	0.366
				PPO- 100	288.7	161.9	148.5	138.9	131.5	123.0	112.8	99.9	91.6	1.179
				PPO- 125	655.7	312.4	286.5	268.0	253.7	237.3	217.7	192.8	176.8	6.257
				PPO- 150	1301.8	464.7	426.2	398.6	377.4	353.0	323.8	286.7	263.0	2.959
				PPO- 175	2435.6	708.4	649.8	607.7	575.4	538.1	493.6	437.1	400.9	12.685
				PPO- 200	5137.8	1236.3	1134.1	1060.7	1004.2	939.2	861.5	762.9	699.8	18.936
120	MS	2	PPO- 80	189.7	78.0	71.5	66.9	63.3	59.2	54.3	48.1	44.1	0.206	
			PPO- 100	288.7	164.2	150.7	140.9	133.4	124.8	114.4	101.3	93.0	0.663	
			PPO- 125	655.7	315.6	289.5	270.7	256.3	239.7	219.9	194.7	178.6	3.52	
			PPO- 150	1301.8	466.6	428.0	400.3	379.0	354.5	325.2	287.9	264.1	1.664	
			PPO- 175	2435.6	711.4	652.6	610.4	577.9	540.5	495.8	439.0	402.7	7.135	
			PPO- 200	5137.8	1243.4	1140.6	1066.8	1010.0	944.6	866.5	767.2	703.8	10.651	

## 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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Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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	
30	150	PPO- 80	MS	2	189.7	78.4	72.0	67.3	63.7	59.6	54.7	48.4	44.4	0.132
		PPO- 100			288.7	165.4	151.7	141.9	134.3	125.6	115.3	102.1	93.6	0.425
		PPO- 125			655.7	316.4	290.3	271.5	257.0	240.4	220.5	195.2	179.1	2.253
		PPO- 150			1301.8	468.0	429.3	401.5	380.1	355.5	326.1	288.8	264.9	1.065
		PPO- 175			2435.6	713.6	654.6	612.2	579.6	542.1	497.3	440.3	403.9	4.567
		PPO- 200			5137.8	1248.5	1145.3	1071.1	1014.1	948.4	870.0	770.4	706.7	6.817
	180	PPO- 80	MS	2	189.7	78.1	71.6	67	63.4	59.3	54.4	48.2	44.2	0.082
		PPO- 100			288.7	164.6	151.0	141.2	133.7	125.0	114.7	101.6	93.2	0.263
		PPO- 125			655.7	313.7	287.7	269.1	254.8	238.3	218.6	193.5	177.5	1.396
		PPO- 150			1301.8	466.0	427.5	399.8	378.5	354.0	324.7	287.5	263.8	0.66
		PPO- 175			2435.6	710.7	652.0	609.7	577.3	539.9	495.3	438.5	402.3	2.831
		PPO- 200			5137.8	1245.0	1142.1	1068.1	1011.3	945.8	867.6	768.2	704.7	4.226
45	60	PPO- 80	MS	2	67.1	29.7	27.3	25.5	24.1	22.6	20.7	18.3	16.8	1.233
		PPO- 100			231.0	87.9	80.6	75.4	71.4	66.8	61.2	54.2	49.7	3.977
		PPO- 125			438.3	112.8	103.5	96.8	91.6	85.7	78.6	69.6	63.9	21.11
		PPO- 150			708.2	314.5	288.5	269.8	255.5	238.9	219.2	194.1	178.0	9.973
		PPO- 175			1532.7	366.6	336.3	314.5	297.8	278.5	255.5	226.2	207.5	42.777
		PPO- 200			1915.9	442.7	406.0	379.8	359.5	336.3	308.5	273.1	250.5	63.76
	75	PPO- 80	MS	2	189.7	73.7	67.6	63.2	59.8	56.0	51.3	45.5	41.7	0.79
		PPO- 100			347.0	96.4	88.4	82.7	78.3	73.2	67.1	59.5	54.5	2.546
		PPO- 125			831.0	197.0	180.7	169.0	160.0	149.7	137.3	121.6	111.5	13.513
		PPO- 150			1301.8	451.0	413.7	386.9	366.3	342.6	314.3	278.3	255.3	6.391
		PPO- 175			2435.6	686.8	630.0	589.2	557.9	521.8	478.6	423.8	388.8	27.4
		PPO- 200			3044.5	829.8	761.2	711.9	674.0	630.4	578.2	512.0	469.7	40.829
	90	PPO- 80	MS	2	189.7	74.7	68.5	64.1	60.7	56.8	52.1	46.1	42.3	0.548
		PPO- 100			288.7	157.6	144.6	135.2	128.0	119.7	109.8	97.2	89.2	1.769
		PPO- 125			655.7	299.8	275.0	257.2	243.5	227.7	208.9	185.0	169.7	9.386
		PPO- 150			1301.8	453.3	415.8	388.9	368.2	344.4	315.9	279.7	256.6	4.438
		PPO- 175			2435.6	690.5	633.4	592.4	560.9	524.5	481.2	426.1	390.8	19.028
		PPO- 200			5137.8	1196.9	1097.9	1026.8	972.2	909.2	834.0	738.5	677.4	28.403
	120	PPO- 80	MS	2	189.7	76.5	70.1	65.6	62.1	58.1	53.3	47.2	43.3	0.309
		PPO- 100			288.7	161.1	147.8	138.2	130.8	122.4	112.3	99.4	91.2	0.995
		PPO- 125			655.7	306.7	281.3	263.1	249.1	233.0	213.7	189.2	173.6	5.28
		PPO- 150			1301.8	456.9	419.1	392.0	371.1	347.1	318.4	281.9	258.6	2.497
		PPO- 175			2435.6	696.1	638.6	597.2	565.4	528.8	485.1	429.5	394.0	10.703
		PPO- 200			5137.8	1209.0	1109.1	1037.3	982.0	918.5	842.5	746.0	684.3	15.977

## 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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Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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	
45	150	PPO- 80	MS	2	189.7	77.4	71.0	66.4	62.9	58.8	53.9	47.8	43.8	0.197
		PPO- 100			288.7	163.3	149.8	140.1	132.6	124.1	113.8	100.8	92.4	0.637
		PPO- 125			655.7	311.0	285.3	266.8	252.6	236.2	216.7	191.9	176.0	3.379
		PPO- 150			1301.8	459.6	421.6	394.3	373.3	349.1	320.2	283.6	260.1	1.598
		PPO- 175			2435.6	700.3	642.4	600.8	568.9	532.0	488.0	432.1	396.4	6.85
		PPO- 200			5137.8	1218.3	1117.6	1045.2	989.6	925.5	849.0	751.7	689.6	10.225
	180	PPO- 80	MS	2	189.7	77.5	71.1	66.5	63.0	58.9	54.0	47.8	43.9	0.122
		PPO- 100			288.7	163.4	149.9	140.2	132.7	124.1	113.9	100.8	92.5	0.395
		PPO- 125			655.7	311.3	285.6	267.1	252.9	236.5	217.0	192.1	176.2	2.095
		PPO- 150			1301.8	459.4	421.4	394.2	373.2	349.0	320.2	283.5	260.0	0.99
		PPO- 175			2435.6	700.3	642.4	600.8	568.8	532.0	488.0	432.1	396.4	4.246
		PPO- 200			5137.8	1221.1	1120.1	1047.6	991.8	927.6	850.9	753.5	691.2	6.339
60	75	PPO- 80	MS	3	67.1	26.0	23.8	22.3	21.1	19.7	18.1	16.0	14.7	1.052
		PPO- 100			347.0	84.6	77.6	72.6	68.8	64.3	59.0	52.2	47.9	3.395
		PPO- 125			366.5	165.3	151.6	141.8	134.3	125.6	115.2	102.0	93.6	18.018
		PPO- 150			708.2	279.4	256.3	239.7	226.9	212.2	194.7	172.4	158.1	8.515
		PPO- 175			1542.9	449.4	412.3	385.6	365.0	341.4	313.2	277.3	254.4	36.523
		PPO- 200			1928.6	538.9	494.3	462.3	437.7	409.4	375.5	332.5	305.0	54.428
	90	PPO- 80	MS	3	189.7	63.5	58.3	54.5	51.6	48.3	44.3	39.2	36.0	0.732
		PPO- 100			288.7	134.2	123.1	115.1	109.0	101.9	93.5	82.8	75.9	2.36
		PPO- 125			831.0	172.0	157.7	147.5	139.7	130.6	119.8	106.1	97.3	12.514
		PPO- 150			1301.8	395.7	363.0	339.5	321.4	300.6	275.8	244.2	224.0	5.925
		PPO- 175			2435.6	601.9	552.2	516.4	488.9	457.3	419.5	371.4	340.7	25.386
		PPO- 200			3044.5	724.5	664.6	621.6	588.5	550.4	504.9	447.0	410.1	37.82
	120	PPO- 80	MS	3	189.7	65.2	59.8	55.9	52.9	49.5	45.4	40.2	36.9	0.412
		PPO- 100			288.7	137.8	126.4	118.2	111.9	104.7	96.0	85.0	78.0	1.327
		PPO- 125			655.7	263.4	241.6	226	214.0	200.1	183.6	162.5	149.1	7.041
		PPO- 150			1301.8	393.4	360.9	337.5	319.6	298.9	274.1	242.8	222.7	3.333
		PPO- 175			2435.6	600.3	550.7	515.0	487.6	456.1	418.3	370.4	339.8	14.279
		PPO- 200			5137.8	1027.2	942.3	881.3	834.4	780.4	715.8	633.8	581.4	21.331
	150	PPO- 80	MS	3	189.7	65.3	59.9	56	53.0	49.6	45.5	40.3	36.9	0.263
		PPO- 100			288.7	137.8	126.4	118.2	111.9	104.7	96.0	85.0	78.0	0.849
		PPO- 125			655.7	263.8	241.9	226.3	214.2	200.4	183.8	162.7	149.3	4.507
		PPO- 150			1301.8	389.7	357.4	334.3	316.5	296.0	271.5	240.4	220.6	2.133
		PPO- 175			2435.6	594.7	545.6	510.2	483.1	451.8	414.4	367.0	336.6	9.139
		PPO- 200			5137.8	1022.5	937.9	877.2	830.5	776.7	712.5	630.9	578.7	13.652

## 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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# Torque Capacity table

Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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	
60	180	PPO- 80	MS	3	189.7	64.1	58.8	55	52.1	48.7	44.7	39.6	36.3	0.163
		PPO- 100			288.7	135.2	124.0	116	109.8	102.7	94.2	83.4	76.5	0.527
		PPO- 125			655.7	258.3	236.9	221.6	209.8	196.2	180.0	159.4	146.2	2.794
		PPO- 150			1301.8	381.0	349.5	326.8	309.4	289.4	265.5	235.1	215.6	1.322
		PPO- 175			2435.6	581.6	533.5	499.0	472.4	441.8	405.3	358.9	329.2	5.665
		PPO- 200			5137.8	1003.6	920.6	861.0	815.2	762.4	699.4	619.3	568.1	8.463
75	90	PPO- 80	MS	3	121.6	47.2	43.3	40.5	38.3	35.9	32.9	29.1	26.7	0.914
		PPO- 100			231	78.1	71.6	67	63.4	59.3	54.4	48.2	44.2	2.947
		PPO- 125			438.3	98.7	90.6	84.7	80.2	75.0	68.8	60.9	55.9	15.638
		PPO- 150			708.2	277.2	254.3	237.8	225.2	210.6	193.2	171.0	156.9	7.391
		PPO- 175			1542.9	445.4	408.6	382.1	361.8	338.4	310.4	274.8	252.1	31.704
		PPO- 200			3044.5	711.5	652.6	610.4	577.9	540.5	495.8	439.0	402.7	47.275
	120	MS	3	PPO- 80	189.7	66.2	60.7	56.8	53.8	50.3	46.1	40.9	37.5	0.514
				PPO- 100	288.7	137.7	126.3	118.1	111.9	104.6	96.0	85.0	77.9	1.659
				PPO- 125	655.7	265.8	243.8	228	215.9	201.9	185.2	164.0	150.4	8.802
				PPO- 150	1301.8	393.5	361.0	337.6	319.6	298.9	274.2	242.8	222.7	4.166
				PPO- 175	2435.6	599.3	549.8	514.2	486.8	455.3	417.6	369.8	339.2	17.849
				PPO- 200	5137.8	1018.6	934.4	873.9	827.4	773.8	709.8	628.5	576.6	26.663
	150	MS	3	PPO- 80	189.7	67.8	62.2	58.2	55.1	51.5	47.3	41.9	38.4	0.329
				PPO- 100	288.7	138.1	126.6	118.4	112.1	104.9	96.2	85.2	78.1	1.062
				PPO- 125	655.7	270.2	247.9	231.8	219.5	205.3	188.3	166.7	152.9	5.633
				PPO- 150	1301.8	393.7	361.2	337.8	319.8	299.1	274.4	243.0	222.9	2.666
				PPO- 175	2435.6	599.8	550.2	514.6	487.2	455.7	418.0	370.1	339.5	11.424
				PPO- 200	5137.8	1021.5	937.1	876.4	829.8	776.0	711.9	630.3	578.2	17.065
180	MS	3	PPO- 80	189.7	67.5	61.9	57.9	54.8	51.3	47.0	41.6	38.2	0.204	
			PPO- 100	288.7	137.3	125.9	117.8	111.5	104.3	95.7	84.7	77.7	0.658	
			PPO- 125	655.7	268.8	246.6	230.6	218.4	204.2	187.3	165.9	152.2	3.492	
			PPO- 150	1301.8	388.8	356.7	333.6	315.8	295.4	271.0	239.9	220.1	1.653	
			PPO- 175	2435.6	592.7	543.7	508.5	481.4	450.2	413.0	365.7	335.5	7.082	
			PPO- 200	5137.8	1017.7	933.6	873.1	826.7	773.1	709.2	628.0	576.0	10.579	
90	120	MS	3	PPO- 80	67.1	26.3	24.2	22.6	21.4	20.0	18.4	16.3	14.9	0.617
				PPO- 100	347.0	82.6	75.7	70.8	67.1	62.7	57.5	50.9	46.7	1.989
				PPO- 125	831.0	166.6	152.9	143.0	135.3	126.6	116.1	102.8	94.3	10.559
				PPO- 150	1301.8	388.5	356.3	333.3	315.5	295.1	270.7	239.7	219.9	5
				PPO- 175	2435.6	590.2	541.4	506.3	479.4	448.3	411.2	364.1	334.0	21.419
				PPO- 200	3044.5	701.9	643.8	602.1	570.1	533.2	489.1	433.1	397.3	31.91

## 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.

# PPO Series

# Torque Capacity table

Oscillation Angle	Index Angle $\alpha$ (deg)	MYDEX Model Number	Cam Motion Law	No. of Rollers	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
90	150	PPO- 80	MS	3	189.7	67.0	61.5	57.5	54.4	50.9	46.7	41.4	37.9	0.395
		PPO- 100			288.7	136.0	124.8	116.7	110.5	103.3	94.8	83.9	77.0	1.274
		PPO- 125			655.7	265.6	243.7	227.9	215.8	201.8	185.1	163.9	150.4	6.76
		PPO- 150			1301.8	390.3	358.0	334.8	317.0	296.5	272.0	240.8	220.9	3.2
		PPO- 175			2435.6	594.2	545.1	509.8	482.7	451.4	414.1	366.7	336.3	13.708
		PPO- 200			5137.8	1006.1	923.0	863.2	817.2	764.3	701.1	620.8	569.5	20.477
	180	PPO- 80	MS	3	189.7	68.5	62.9	58.8	55.7	52.1	47.8	42.3	38.8	0.245
		PPO- 100			288.7	136.5	125.2	117.1	110.9	103.7	95.1	84.2	77.3	0.79
		PPO- 125			655.7	266.8	244.7	228.9	216.7	202.7	185.9	164.6	151.0	4.19
		PPO- 150			1301.8	388.9	356.7	333.6	315.9	295.4	271.0	240.0	220.1	1.984
		PPO- 175			2435.6	591.6	542.7	507.5	480.5	449.4	412.2	365.0	334.8	8.498
		PPO- 200			5137.8	1010.2	926.7	866.7	820.6	767.4	704.0	623.4	571.8	12.694
120	150	PPO- 80	MS	4	67.1	28.3	26.0	24.3	23.0	21.5	19.7	17.5	16.0	0.526
		PPO- 100			231	83.6	76.7	71.8	67.9	63.5	58.3	51.6	47.3	1.698
		PPO- 125			366.5	170.2	156.1	146.0	138.2	129.3	118.6	105.0	96.3	9.01
		PPO- 150			1293.2	298.1	273.5	255.8	242.1	226.5	207.7	184.0	168.7	4.264
		PPO- 175			1542.9	466.0	427.5	399.8	378.5	354.0	324.8	287.6	263.8	18.267
		PPO- 200			3044.5	741.1	679.8	635.8	602.0	563.0	516.4	457.3	419.5	27.242
	180	PPO- 80	MS	4	67.1	29.6	27.2	25.4	24.0	22.5	20.6	18.3	16.8	0.326
		PPO- 100			288.7	141.5	129.8	121.4	114.9	107.5	98.6	87.3	80.1	1.054
		PPO- 125			655.7	277.2	254.3	237.8	225.2	210.6	193.2	171.1	156.9	5.589
		PPO- 150			1301.8	406.1	372.5	348.4	329.9	308.5	283.0	250.6	229.9	2.649
		PPO- 175			2435.6	618.6	567.5	530.7	502.5	469.9	431.1	381.7	350.2	11.338
		PPO- 200			5137.8	1040.6	954.6	892.8	845.3	790.5	725.2	642.1	589.0	16.949
150	180	PPO- 80	MS	4	121.6	51.9	47.6	44.5	42.1	39.4	36.1	32.0	29.4	0.408
		PPO- 100			288.7	139.0	127.5	119.2	112.9	105.6	96.9	85.8	78.7	1.317
		PPO- 125			366.5	167.6	153.7	143.8	136.1	127.3	116.8	103.4	94.9	6.982
		PPO- 150			1293.2	295.8	271.3	253.7	240.2	224.7	206.1	182.5	167.4	3.304
		PPO- 175			1542.9	461.8	423.6	396.2	375.1	350.8	321.8	284.9	261.4	14.155
		PPO- 200			3044.5	730.4	670.0	626.6	593.2	554.8	509.0	450.7	413.4	21.11

## 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.