

RI Series (flange type)

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	
2	180	RI- 50F	MCV 50	1	18.7	15.8	14.5	13.5	12.8	12.0	11.0	9.7	8.9	0.112
		RI- 63F			52.8	33.8	31.0	29.0	27.4	25.6	23.5	20.8	19.1	0.245
		RI- 70F			55.3	36.0	33.0	30.8	29.2	27.3	25.1	22.2	20.4	0.253
		RI- 80F			124.9	76.4	70.1	65.5	62.1	58.0	53.2	47.1	43.2	0.593
		RI- 90F			216.1	115.9	106.3	99.5	94.2	88.1	80.8	71.5	65.6	1.442
		RI- 108F			394.2	142.3	130.5	122.1	115.6	108.1	99.1	87.8	80.5	3.099
		RI- 140F			666.1	407.0	373.3	349.1	330.6	309.1	283.6	251.1	230.3	7.405
		RI- 152F			865.3	503.6	461.9	432.0	409.0	382.5	350.9	310.7	285.0	17.721
		RI- 178F			1963.2	608.1	557.9	521.7	494.0	462.0	423.8	375.2	344.2	24.443
		RI- 200F			2120.6	883.7	810.6	758.1	717.8	671.3	615.8	545.3	500.2	33.577
	RI- 254F	7189.8	1978.5	1815.0	1697.4	1607.1	1503.0	1378.7	1220.8	1119.9	114.081			
	210	RI- 50F	MCV 33	1	18.7	15.8	14.5	13.5	12.8	12.0	11.0	9.7	8.9	0.068
		RI- 63F			52.8	33.9	31.1	29.1	27.5	25.8	23.6	20.9	19.2	0.148
		RI- 70F			55.3	35.9	32.9	30.8	29.2	27.3	25.0	22.2	20.3	0.153
		RI- 80F			124.9	77.1	70.7	66.2	62.6	58.6	53.7	47.6	43.7	0.359
		RI- 90F			324.6	120.2	110.2	103.1	97.6	91.3	83.7	74.2	68.0	0.893
		RI- 108F			394.2	141.0	129.3	120.9	114.5	107.1	98.2	87.0	79.8	1.874
		RI- 140F			666.1	399.9	366.8	343.1	324.8	303.8	278.6	246.7	226.3	4.479
		RI- 152F			865.3	501.0	459.6	429.8	406.9	380.6	349.1	309.1	283.6	10.719
		RI- 178F			1963.2	608.3	558.0	521.9	494.1	462.1	423.9	375.4	344.3	14.785
		RI- 200F			2120.6	881.6	808.7	756.4	716.1	669.7	614.4	544.0	499.0	20.310
	RI- 254F	7189.8	1975.6	1812.2	1694.9	1604.7	1500.8	1376.7	1219.0	1118.2	69.007			
	240	RI- 50F	MS	1	18.7	15.5	14.3	13.3	12.6	11.8	10.8	9.6	8.8	0.044
		RI- 63F			52.8	33.6	30.9	28.9	27.3	25.6	23.4	20.8	19.0	0.095
		RI- 70F			100.3	62.7	57.5	53.8	50.9	47.6	43.7	38.7	35.5	0.105
		RI- 80F			124.9	76.6	70.3	65.7	62.2	58.2	53.4	47.3	43.3	0.230
		RI- 90F			324.6	118.2	108.4	101.4	96.0	89.8	82.4	72.9	66.9	0.573
		RI- 108F			394.2	138.3	126.9	118.6	112.3	105.1	96.4	85.3	78.3	1.202
		RI- 140F			666.1	391.3	359.0	335.7	317.8	297.3	272.7	241.5	221.5	2.874
		RI- 152F			865.3	495.1	454.1	424.7	402.1	376.1	345.0	305.5	280.2	6.877
		RI- 178F			1963.2	603.8	553.9	518.0	490.5	458.7	420.8	372.6	341.8	9.486
		RI- 200F			2120.6	872.8	800.6	748.8	708.9	663.0	608.2	538.6	494.0	13.030
	RI- 254F	7189.8	1951.9	1790.5	1674.6	1585.5	1482.8	1360.2	1204.4	1104.8	44.272			
	270	RI- 50F	MS	1	18.7	15.4	14.1	13.2	12.5	11.7	10.7	9.5	8.7	0.034
		RI- 63F			52.8	33.4	30.6	28.7	27.1	25.4	23.3	20.6	18.9	0.075
		RI- 70F			100.3	62.2	57.1	53.4	50.5	47.3	43.4	38.4	35.2	0.083

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

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						Input Shaft Revolution (rpm)								
						30	40	50	60	75	100	150		200
2	270	RI- 80F	MS	1	199.8	105.5	96.8	90.5	85.7	80.2	73.5	65.1	59.7	0.192
		RI- 90F			324.6	116.7	107.0	100.1	94.8	88.6	81.3	72.0	66.0	0.453
		RI- 108F			316.6	214.0	196.3	183.6	173.9	162.6	149.2	132.1	121.1	0.988
		RI- 140F			1216.4	393.7	361.1	337.8	319.8	299.1	274.3	242.9	222.8	2.324
		RI- 152F			1590.3	685.7	629.0	588.2	556.9	520.9	477.8	423.1	388.1	5.721
		RI- 178F			1956.6	813.4	746.2	697.9	660.7	617.9	566.8	501.9	460.4	7.778
		RI- 200F			3347.2	1149.0	1054.0	985.7	933.3	872.8	800.7	709.0	650.3	10.994
		RI- 254F			7189.8	1942.9	1782.2	1666.8	1578.1	1475.9	1353.9	1198.8	1099.7	34.981
	300	RI- 50F	MS	1	18.7	15.1	13.9	13.0	12.3	11.5	10.6	9.3	8.6	0.028
		RI- 63F			52.8	33.0	30.3	28.3	26.8	25.1	23.0	20.4	18.7	0.061
		RI- 70F			163.8	85.8	78.7	73.6	69.7	65.2	59.8	53.0	48.6	0.073
		RI- 80F			199.8	104.8	96.2	89.9	85.1	79.6	73.0	64.7	59.3	0.155
		RI- 90F			324.6	115.1	105.6	98.7	93.5	87.4	80.2	71.0	65.1	0.367
		RI- 108F			718.0	217.8	199.8	186.9	176.9	165.5	151.8	134.4	123.3	0.821
		RI- 140F			1216.4	387.0	355.0	332.0	314.3	294.0	269.7	238.8	219.0	1.882
		RI- 152F			1590.3	681.2	624.9	584.4	553.3	517.5	474.7	420.3	385.6	4.634
		RI- 178F			3089.8	1071.1	982.5	918.9	870.0	813.7	746.4	660.9	606.3	6.785
		RI- 200F			4912.5	1537.7	1410.5	1319.2	1249.0	1168.1	1071.5	948.8	870.4	9.917
	RI- 254F	7189.8	1923.6	1764.5	1650.3	1562.4	1461.2	1340.4	1186.9	1088.8	28.334			
	330	RI- 50F	MS	1	18.7	14.9	13.6	12.8	12.1	11.3	10.4	9.2	8.4	0.023
		RI- 63F			52.8	32.4	29.8	27.8	26.3	24.6	22.6	20.0	18.4	0.050
		RI- 70F			163.8	84.3	77.3	72.3	68.5	64.0	58.7	52.0	47.7	0.060
		RI- 80F			199.8	103.4	94.8	88.7	84.0	78.5	72.0	63.8	58.5	0.128
		RI- 90F			324.6	113.4	104.1	97.3	92.1	86.2	79.1	70.0	64.2	0.303
		RI- 108F			718.0	214.7	196.9	184.2	174.4	163.1	149.6	132.5	121.5	0.679
		RI- 140F			1216.4	380.1	348.6	326.1	308.7	288.7	264.8	234.5	215.1	1.556
		RI- 152F			1590.3	672.9	617.3	577.3	546.6	511.2	468.9	415.2	380.9	3.830
		RI- 178F			3089.8	1063.8	975.8	912.6	864.0	808.1	741.3	656.4	602.1	5.607
RI- 200F		4912.5			1520.7	1395.0	1304.7	1235.2	1155.2	1059.7	938.4	860.8	8.196	
RI- 254F	7189.8	1900.2	1743.0	1630.2	1543.4	1443.5	1324.1	1172.5	1075.5	23.417				
3	180	RI- 50F	MS	1	18.7	17.7	16.2	15.2	14.4	13.4	12.3	10.9	10.0	0.052
		RI- 63F			52.8	38.3	35.1	32.8	31.1	29.1	26.7	23.6	21.7	0.113
		RI- 70F			100.3	71.3	65.4	61.2	57.9	54.2	49.7	44.0	40.4	0.125
		RI- 80F			301.5	127.0	116.5	109.0	103.2	96.5	88.5	78.4	71.9	0.302
		RI- 90F			324.6	134.5	123.3	115.4	109.2	102.1	93.7	83.0	76.1	0.679
		RI- 108F			316.6	246.9	226.4	211.8	200.5	187.5	172.0	152.3	139.7	1.482

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
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						Input Shaft Revolution (rpm)								
						30	40	50	60	75	100	150		200
3	180	RI- 140F	MS	1	1224.1	618.8	567.6	530.9	502.6	470.1	431.2	381.8	350.2	3.666
		RI- 152F			1590.3	786.3	721.3	674.6	638.7	597.3	547.9	485.2	445.1	8.582
		RI- 178F			3089.8	1232.1	1130.3	1057.1	1000.8	936.0	858.6	760.3	697.4	12.564
		RI- 200F			4912.5	1774.5	1627.8	1522.4	1441.3	1348.0	1236.6	1094.9	1004.4	18.365
		RI- 254F			7189.8	2217.4	2034.0	1902.3	1801.1	1684.5	1545.2	1368.2	1255.1	52.471
	210	RI- 50F	MS	1	18.7	17.5	16.1	15.0	14.2	13.3	12.2	10.8	9.9	0.038
		RI- 63F			52.8	38.0	34.9	32.6	30.9	28.9	26.5	23.5	21.5	0.083
		RI- 70F			100.3	70.7	64.9	60.7	57.4	53.7	49.3	43.6	40.0	0.091
		RI- 80F			301.5	125.5	115.1	107.7	102.0	95.4	87.5	77.5	71.0	0.222
		RI- 90F			324.6	132.5	121.6	113.7	107.6	100.7	92.3	81.8	75.0	0.499
		RI- 108F			316.6	243.4	223.3	208.8	197.7	184.9	169.6	150.2	137.8	1.089
		RI- 140F			1224.1	606.6	556.4	520.4	492.7	460.8	422.7	374.3	343.3	2.694
		RI- 152F			1590.3	778.7	714.3	668.1	632.5	591.5	542.6	480.5	440.8	6.305
		RI- 178F			3089.8	1224.2	1123.0	1050.3	994.4	930.0	853.1	755.4	692.9	9.231
		RI- 200F			4912.5	1758.4	1613.0	1508.6	1428.3	1335.8	1225.4	1085.0	995.3	13.492
	RI- 254F	8780.8	3356.6	3079.1	2879.7	2726.4	2549.9	2339.1	2071.2	1899.9	42.044			
	240	RI- 50F	MS	1	18.7	17.2	15.7	14.7	13.9	13.0	12.0	10.6	9.7	0.029
		RI- 63F			52.8	37.4	34.3	32.1	30.4	28.4	26.1	23.1	21.2	0.063
		RI- 70F			100.3	69.4	63.6	59.5	56.3	52.7	48.3	42.8	39.3	0.070
		RI- 80F			301.5	123.8	113.6	106.2	100.5	94.0	86.3	76.4	70.1	0.170
		RI- 90F			263.8	205.5	188.5	176.3	166.9	156.1	143.2	126.8	116.3	0.405
		RI- 108F			566.1	382.9	351.3	328.5	311.0	290.9	266.9	236.3	216.8	0.906
		RI- 140F			1224.1	594.7	545.5	510.2	483.0	451.7	414.4	366.9	336.6	2.062
		RI- 152F			2510.7	1016.4	932.4	872.0	825.6	772.1	708.3	627.2	575.3	5.165
		RI- 178F			4532.6	1636.2	1500.9	1403.7	1329.0	1242.9	1140.2	1009.6	926.1	7.968
		RI- 200F			5651.3	1792.1	1643.9	1537.5	1455.6	1361.4	1248.8	1105.8	1014.3	11.057
	RI- 254F	8780.8	3325.3	3050.4	2852.9	2701.0	2526.1	2317.2	2051.8	1882.2	32.190			
	270	RI- 50F	MS	1	42.9	29.8	27.4	25.6	24.2	22.7	20.8	18.4	16.9	0.024
		RI- 63F			52.8	36.5	33.5	31.3	29.6	27.7	25.4	22.5	20.7	0.050
		RI- 70F			163.8	94.3	86.5	80.9	76.6	71.6	65.7	58.2	53.4	0.060
		RI- 80F			301.5	121.7	111.6	104.4	98.9	92.5	84.8	75.1	68.9	0.134
		RI- 90F			263.8	202.3	185.6	173.6	164.3	153.7	141.0	124.8	114.5	0.320
		RI- 108F			566.1	376.8	345.7	323.3	306.1	286.2	262.6	232.5	213.3	0.716
RI- 140F		1224.1			581.6	533.5	498.9	472.4	441.8	405.3	358.9	329.2	1.629	
RI- 152F		2510.7			1003.5	920.5	860.9	815.1	762.3	699.3	619.2	568.0	4.081	
RI- 178F	4532.6	1620.8	1486.7	1390.5	1316.5	1231.2	1129.4	1000.1	917.4	6.296				

Notes

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						Input Shaft Revolution (rpm)											
						30	40	50	60	75	100	150		200			
3	270	RI- 200F	MS	1	6899.2	2681.9	2460.2	2300.9	2178.4	2037.4	1868.9	1654.9	1518.0	10.061			
		RI- 254F			12952.6	4498.7	4126.7	3859.5	3654.1	3417.5	3134.9	2775.8	2546.3	29.904			
	300	MS	1	RI- 50F	42.9	29.1	26.7	24.9	23.6	22.1	20.3	17.9	16.5	0.019			
				RI- 63F	52.8	35.6	32.7	30.6	28.9	27.1	24.8	22.0	20.2	0.041			
				RI- 70F	163.8	91.8	84.2	78.7	74.6	69.7	64.0	56.6	52.0	0.049			
				RI- 80F	301.5	119.8	109.9	102.8	97.3	91.0	83.5	73.9	67.8	0.109			
				RI- 90F	263.8	198.5	182.1	170.3	161.2	150.8	138.3	122.5	112.4	0.259			
				RI- 108F	566.1	369.9	339.4	317.4	300.5	281.0	257.8	228.3	209.4	0.580			
				RI- 140F	1224.1	570.5	523.3	489.4	463.4	433.4	397.5	352.0	322.9	1.320			
				RI- 152F	2510.7	989.5	907.7	848.9	803.7	751.7	689.5	610.5	560.1	3.305			
				RI- 178F	4532.6	1600.7	1468.3	1373.2	1300.1	1216.0	1115.4	987.7	906.0	5.099			
				RI- 200F	6899.2	2648.1	2429.1	2271.8	2150.9	2011.6	1845.3	1633.9	1498.8	8.150			
	RI- 254F	12952.6	4438.4	4071.5	3807.8	3605.1	3371.7	3092.9	2738.7	2512.2	24.222						
	330	MS	1	RI- 50F	42.9	28.3	25.9	24.3	23.0	21.5	19.7	17.5	16.0	0.016			
				RI- 63F	52.8	34.7	31.8	29.8	28.2	26.4	24.2	21.4	19.7	0.034			
				RI- 70F	163.8	89.2	81.8	76.5	72.5	67.8	62.2	55.0	50.5	0.040			
				RI- 80F	301.5	117.7	108.0	101.0	95.6	89.4	82.0	72.6	66.6	0.090			
				RI- 90F	263.8	195.2	179.1	167.5	158.6	148.3	136.0	120.5	110.5	0.214			
				RI- 108F	566.1	359.6	329.8	308.5	292.1	273.2	250.6	221.9	203.5	0.479			
				RI- 140F	1224.1	558.8	512.6	479.4	453.9	424.5	389.4	344.8	316.3	1.091			
				RI- 152F	2510.7	974.8	894.2	836.3	791.8	740.5	679.3	601.5	551.7	2.732			
				RI- 178F	4532.6	1581.3	1450.6	1356.7	1284.4	1201.3	1101.9	975.7	895.1	4.214			
				RI- 200F	6899.2	2611.5	2395.6	2240.4	2121.2	1983.8	1819.8	1611.4	1478.1	6.735			
	RI- 254F	12952.6	4378.1	4016.1	3756.0	3556.1	3325.8	3050.8	2701.4	2478.0	20.019						
	4	120	MS	1	RI- 50F	11.7	11.3	11.3	11.0	10.4	9.7	8.9	7.9	7.3	0.086		
					RI- 63F	23.9	23.5	23.5	21.9	20.8	19.4	17.8	15.8	14.5	0.186		
					RI- 70F	55.3	46.3	42.5	39.8	37.6	35.2	32.3	28.6	26.2	0.200		
RI- 80F					68.2	55.2	50.7	47.4	44.9	42.0	38.5	34.1	31.3	0.444			
RI- 90F					135.0	108.2	99.3	92.9	87.9	82.2	75.4	66.8	61.3	1.104			
RI- 108F					262.4	179.1	164.3	153.7	145.5	136.1	124.8	110.5	101.4	2.402			
RI- 140F					372.1	329.7	302.4	282.9	267.8	250.5	229.7	203.4	186.6	5.561			
RI- 152F					483.7	409.8	375.9	351.5	332.8	311.3	285.5	252.8	231.9	13.446			
RI- 178F					1075.0	783.8	719.0	672.5	636.7	595.4	546.2	483.7	443.7	19.169			
RI- 200F					1122.1	812.6	745.4	697.1	660.0	617.3	566.2	501.4	459.9	25.270			
RI- 254F					3955.8	1761.2	1615.5	1510.9	1430.5	1337.9	1227.3	1086.7	996.8	81.204			
150					RI- 50F	MS	1	11.7	10.9	10.9	10.9	10.3	9.7	8.9	7.8	7.2	0.055

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
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- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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	150	RI- 63F	MS	1	52.8	44.2	40.5	37.9	35.9	33.6	30.8	27.3	25.0	0.124
		RI- 70F			55.3	46.5	42.7	39.9	37.8	35.3	32.4	28.7	26.3	0.128
		RI- 80F			124.9	100.6	92.3	86.3	81.7	76.4	70.1	62.1	56.9	0.303
		RI- 90F			135.0	109.4	100.3	93.8	88.8	83.1	76.2	67.5	61.9	0.707
		RI- 108F			262.4	176.3	161.7	151.2	143.2	133.9	122.8	108.8	99.8	1.537
		RI- 140F			843.8	329.5	302.2	282.7	267.6	250.3	229.6	203.3	186.5	3.636
		RI- 152F			1096.9	419.9	385.2	360.3	341.1	319.0	292.6	259.1	237.7	8.734
		RI- 178F			1075.0	782.8	718.1	671.6	635.8	594.7	545.5	483.0	443.1	12.268
		RI- 200F			2049.2	825.2	757.0	708.0	670.3	626.9	575.0	509.2	467.1	16.492
	RI- 254F	4260.1	1856.5	1703.0	1592.7	1507.9	1410.3	1293.7	1145.5	1050.8	52.893			
	180	RI- 50F	MS	1	11.7	11.3	11.3	10.6	10.0	9.4	8.6	7.6	7.0	0.038
		RI- 63F			52.8	43.6	40.0	37.4	35.5	33.2	30.4	26.9	24.7	0.086
		RI- 70F			55.3	45.5	41.8	39.1	37.0	34.6	31.7	28.1	25.8	0.089
		RI- 80F			124.9	100.0	91.7	85.8	81.2	76.0	69.7	61.7	56.6	0.210
		RI- 90F			135.0	107.6	98.7	92.3	87.4	81.7	75.0	66.4	60.9	0.491
		RI- 108F			394.2	179.1	164.3	153.6	145.4	136.0	124.8	110.5	101.4	1.091
		RI- 140F			843.8	320.4	293.9	274.9	260.3	243.4	223.3	197.7	181.4	2.525
		RI- 152F			865.3	647.3	593.8	555.4	525.8	491.8	451.1	399.4	366.4	6.270
		RI- 178F			1963.2	795.1	729.4	682.2	645.8	604.0	554.1	490.6	450.1	8.723
	RI- 200F	2120.6	1139.8	1045.6	977.9	925.8	865.9	794.3	703.3	645.2	12.049			
	RI- 254F	6249.9	2480.9	2275.7	2128.4	2015.1	1884.6	1728.8	1530.8	1404.2	39.728			
	210	RI- 50F	MS	1	11.7	11.3	11.0	10.3	9.7	9.1	8.3	7.4	6.8	0.028
		RI- 63F			52.8	42.4	38.9	36.4	34.4	32.2	29.6	26.2	24.0	0.063
		RI- 70F			55.3	44.2	40.5	37.9	35.9	33.5	30.8	27.2	25.0	0.065
		RI- 80F			124.9	97.8	89.7	83.9	79.4	74.3	68.1	60.3	55.3	0.154
		RI- 90F			216.1	143.7	131.8	123.3	116.7	109.2	100.2	88.7	81.4	0.373
		RI- 108F			316.6	274.3	251.6	235.3	222.8	208.4	191.1	169.2	155.3	0.843
		RI- 140F			843.8	311.4	285.7	267.2	252.9	236.6	217.0	192.2	176.3	1.855
		RI- 152F			1580.2	650.8	597.0	558.3	528.6	494.4	453.5	401.6	368.4	4.704
		RI- 178F			1956.6	1061.1	973.4	910.3	861.9	806.1	739.4	654.7	600.6	6.721
	RI- 200F	3347.2	1486.7	1363.7	1275.4	1207.6	1129.4	1036.0	917.3	841.5	9.622			
	RI- 254F	7189.8	2511.6	2303.9	2154.8	2040.1	1908.0	1750.2	1549.8	1421.6	30.704			
	240	RI- 50F	MS	1	18.5	17.9	17.0	15.9	15.1	14.1	12.9	11.5	10.5	0.022
		RI- 63F			52.8	41.1	37.7	35.3	33.4	31.2	28.7	25.4	23.3	0.048
		RI- 70F			55.3	42.6	39.1	36.6	34.6	32.4	29.7	26.3	24.1	0.050
		RI- 80F			200.7	131.1	120.3	112.5	106.5	99.6	91.4	80.9	74.2	0.127

Notes

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- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
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RI Series (flange type)

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	240	RI- 90F	MS	1	216.1	140.3	128.7	120.4	114.0	106.6	97.8	86.6	79.4	0.286
		RI- 108F			316.6	267.9	245.8	229.9	217.6	203.5	186.7	165.3	151.7	0.645
		RI- 140F			666.1	473.3	434.2	406.1	384.5	359.6	329.8	292.1	267.9	1.490
		RI- 152F			1590.3	869.6	797.7	746.0	706.3	660.6	606.0	536.6	492.2	3.769
		RI- 178F			3089.8	1380.8	1266.6	1184.6	1121.6	1048.9	962.2	852.0	781.6	5.651
		RI- 200F			3347.2	1460.4	1339.7	1252.9	1186.2	1109.4	1017.7	901.1	826.6	7.367
		RI- 254F			8780.8	3758.1	3447.4	3224.2	3052.5	2854.9	2618.8	2318.9	2127.2	26.183
	270	RI- 50F	MS	1	18.5	18.0	16.5	15.4	14.6	13.7	12.5	11.1	10.2	0.013
		RI- 63F			52.8	39.8	36.5	34.2	32.4	30.3	27.8	24.6	22.6	0.038
		RI- 70F			100.3	72.9	66.9	62.5	59.2	55.4	50.8	45.0	41.3	0.043
		RI- 80F			200.7	126.9	116.4	108.9	103.1	96.4	88.4	78.3	71.8	0.100
		RI- 90F			216.1	136.5	125.2	117.1	110.9	103.7	95.1	84.2	77.3	0.226
		RI- 108F			316.6	261.9	240.2	224.7	212.7	199.0	182.5	161.6	148.2	0.510
		RI- 140F			666.1	461.9	423.7	396.3	375.2	350.9	321.9	285.0	261.4	1.177
		RI- 152F			1590.3	854.0	783.4	732.6	693.6	648.7	595.1	526.9	483.4	2.978
		RI- 178F			3089.8	1358.4	1246.1	1165.4	1103.3	1031.9	946.6	838.2	768.9	4.465
		RI- 200F			5133.5	2032.4	1864.4	1743.7	1650.9	1544.0	1416.3	1254.1	1150.4	6.653
	RI- 254F	8780.8	3690.0	3384.9	3165.7	2997.2	2803.1	2571.3	2276.8	2088.6	20.688			
	300	RI- 50F	MS	1	18.5	17.4	16.0	15.0	14.2	13.2	12.1	10.8	9.9	0.014
		RI- 63F			52.8	38.6	35.4	33.1	31.4	29.3	26.9	23.8	21.9	0.031
		RI- 70F			100.3	70.6	64.8	60.6	57.4	53.6	49.2	43.6	40.0	0.035
		RI- 80F			200.7	122.8	112.7	105.4	99.8	93.3	85.6	75.8	69.5	0.081
		RI- 90F			216.1	132.3	121.4	113.5	107.5	100.5	92.2	81.6	74.9	0.183
		RI- 108F			316.6	256.3	235.1	219.9	208.2	194.7	178.6	158.2	145.1	0.413
		RI- 140F			666.1	450.8	413.5	386.7	366.2	342.4	314.1	278.2	255.2	0.953
		RI- 152F			1590.3	837.1	767.8	718.1	679.9	635.9	583.3	516.5	473.8	2.412
		RI- 178F			3089.8	1335.6	1225.2	1145.8	1084.8	1014.6	930.7	824.1	756.0	3.616
		RI- 200F			5133.5	2000.5	1835.1	1716.3	1624.9	1519.7	1394.0	1234.4	1132.3	5.389
RI- 254F	8780.8	3624.8	3325.1	3109.8	2944.3	2753.6	2526.0	2236.6	2051.7	16.757				
330	RI- 50F	MS	1	18.5	16.9	15.5	14.5	13.7	12.9	11.8	10.4	9.6	0.012	
	RI- 63F			52.8	37.5	34.4	32.2	30.5	28.5	26.2	23.2	21.3	0.026	
	RI- 70F			100.3	68.5	62.9	58.8	55.7	52.1	47.8	42.3	38.8	0.029	
	RI- 80F			200.7	119.3	109.4	102.4	96.9	90.6	83.1	73.6	67.5	0.067	
	RI- 90F			216.1	128.5	117.9	110.3	104.4	97.6	89.6	79.3	72.8	0.151	
	RI- 108F			316.6	250.7	229.9	215.0	203.6	190.4	174.7	154.7	141.9	0.341	
	RI- 140F			666.1	440.9	404.4	378.2	358.1	334.9	307.2	272.0	249.5	0.788	

Notes

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RI Series (flange type)

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	330	RI- 152F	MS	1	1590.3	821.4	753.5	704.7	667.2	624.0	572.4	506.8	464.9	1.994
		RI- 178F			3089.8	1310.6	1202.3	1124.4	1064.6	995.6	913.3	808.7	741.8	2.989
		RI- 200F			5133.5	1966.9	1804.3	1687.5	1597.6	1494.2	1370.6	1213.7	1113.3	4.454
		RI- 254F			8780.8	3552.6	3258.9	3047.9	2885.6	2698.8	2475.6	2192.1	2010.8	13.849
5	120	RI- 63F	MS	1	15.6	15.1	15.1	15.1	15.0	14.0	12.8	11.4	10.4	0.147
		RI- 70F			24.5	23.9	23.9	23.9	23.9	22.3	20.5	18.2	16.7	0.154
		RI- 80F			30.7	29.7	29.7	29.7	29.1	27.2	24.9	22.1	20.2	0.347
		RI- 90F			75.4	68.7	63.1	59.0	55.8	52.2	47.9	42.4	38.9	0.863
		RI- 108F			164.0	145.8	133.7	125.1	118.4	110.7	101.6	89.9	82.5	1.893
		RI- 140F			463.7	230.9	211.8	198.1	187.6	175.4	160.9	142.5	130.7	4.364
		RI- 152F			602.8	293.1	268.9	251.5	238.1	222.7	204.3	180.9	165.9	10.615
		RI- 178F			595.4	543.5	498.6	466.3	441.5	412.9	378.8	335.4	307.6	14.734
		RI- 200F			1425.1	582.6	534.4	499.8	473.2	442.6	406.0	359.5	329.8	19.926
	RI- 254F	2687.3	1578.3	1447.8	1354.0	1282.0	1199.0	1099.8	973.9	893.3	64.383			
	150	RI- 63F	MS	1	15.6	15.4	15.4	15.4	14.6	13.6	12.5	11.1	10.1	0.094
		RI- 70F			24.5	24.3	24.3	24.3	23.0	21.6	19.8	17.5	16.1	0.099
		RI- 80F			68.2	61.9	56.7	53.1	50.2	47.0	43.1	38.2	35.0	0.230
		RI- 90F			75.4	67.6	62.0	58.0	54.9	51.4	47.1	41.7	38.3	0.552
		RI- 108F			164.0	141.7	130.0	121.6	115.1	107.6	98.7	87.4	80.2	1.211
		RI- 140F			463.7	222.6	204.2	191.0	180.8	169.1	155.1	137.4	126.0	2.793
		RI- 152F			483.7	451.0	413.7	386.9	366.3	342.6	314.3	278.3	255.3	6.980
		RI- 178F			1350.1	551.6	506.0	473.2	448.0	419.0	384.4	340.3	312.2	9.623
		RI- 200F			2049.2	914.3	838.7	784.4	742.6	694.5	637.1	564.1	517.5	13.559
	RI- 254F	4260.1	2061.6	1891.2	1768.7	1674.6	1566.1	1436.6	1272.1	1166.9	43.666			
	180	RI- 63F	MS	1	15.6	15.1	15.1	14.9	14.1	13.2	12.1	10.7	9.8	0.065
		RI- 70F			55.3	48.8	44.8	41.9	39.6	37.1	34.0	30.1	27.6	0.072
		RI- 80F			68.2	60.1	55.1	51.5	48.8	45.6	41.9	37.1	34.0	0.160
		RI- 90F			75.4	65.6	60.1	56.2	53.2	49.8	45.7	40.5	37.1	0.384
		RI- 108F			164.0	137.6	126.2	118.1	111.8	104.5	95.9	84.9	77.9	0.841
		RI- 140F			372.1	336.9	309.0	289.0	273.6	255.9	234.7	207.9	190.7	2.017
		RI- 152F			1096.9	454.3	416.7	389.7	369.0	345.1	316.6	280.3	257.1	4.936
		RI- 178F			1963.2	879.8	807.0	754.8	714.6	668.3	613.1	542.9	498.0	7.212
RI- 200F		2120.6			1255.5	1151.7	1077.1	1019.8	953.8	874.9	774.7	710.6	10.012	
RI- 254F	6249.9	2735.0	2508.8	2346.4	2221.5	2077.7	1905.9	1687.6	1548.0	33.320				
210	RI- 50F	MS	1	11.8	11.4	11.4	11.0	10.5	9.8	9.0	7.9	7.3	0.023	
	RI- 63F			23.9	23.2	23.2	22.5	21.3	19.9	18.2	16.1	14.8	0.049	

Notes

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RI Series (flange type)

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	
5	210	RI- 70F	MS	1	55.3	46.9	43.0	40.3	38.1	35.6	32.7	29.0	26.6	0.053
		RI- 80F			68.2	57.9	53.1	49.7	47.0	44.0	40.4	35.7	32.8	0.117
		RI- 90F			135.0	112.2	102.9	96.3	91.1	85.2	78.2	69.2	63.5	0.292
		RI- 108F			262.4	182.9	167.8	156.9	148.5	138.9	127.4	112.8	103.5	0.637
		RI- 140F			372.1	325.8	298.8	279.5	264.6	247.5	227.0	201.0	184.4	1.482
		RI- 152F			1096.9	443.6	406.9	380.6	360.3	337.0	309.1	273.7	251.1	3.627
		RI- 178F			1963.2	863.4	792.0	740.7	701.3	655.9	601.6	532.7	488.7	5.299
		RI- 200F			2120.6	1226.1	1124.7	1051.9	995.9	931.4	854.4	756.5	694.0	7.356
		RI- 254F			6249.9	2674.0	2452.9	2294.1	2171.9	2031.3	1863.4	1649.9	1513.5	24.480
	240	RI- 50F	MS	1	11.8	11.4	11.4	10.6	10.1	9.4	8.6	7.7	7.0	0.017
		RI- 63F			23.9	23.2	23.2	21.7	20.5	19.2	17.6	15.6	14.3	0.038
		RI- 70F			55.3	45.2	41.5	38.8	36.7	34.3	31.5	27.9	25.6	0.041
		RI- 80F			68.2	56.0	51.3	48.0	45.5	42.5	39.0	34.5	31.7	0.090
		RI- 90F			136.7	109.9	100.8	94.2	89.2	83.5	76.6	67.8	62.2	0.224
		RI- 108F			262.4	177.9	163.1	152.6	144.5	135.1	123.9	109.7	100.7	0.488
		RI- 140F			372.1	316.3	290.1	271.3	256.9	240.3	220.4	195.2	179.0	1.135
		RI- 152F			1096.9	432.5	396.7	371.0	351.3	328.5	301.4	266.9	244.8	2.777
		RI- 178F			1956.6	1139.8	1045.5	977.8	925.8	865.8	794.3	703.3	645.1	4.296
	RI- 200F	2120.6	1197.8	1098.8	1027.6	972.9	909.9	834.7	739.1	678.0	5.632			
	RI- 254F	6249.9	2609.9	2394.1	2239.1	2119.9	1982.6	1818.7	1610.4	1477.2	18.743			
	270	RI- 50F	MS	1	11.8	11.4	11.0	10.3	9.7	9.1	8.4	7.4	6.8	0.014
		RI- 63F			23.9	23.2	22.4	20.9	19.8	18.5	17.0	15.1	13.8	0.030
		RI- 70F			55.3	43.7	40.1	37.5	35.5	33.2	30.5	27.0	24.7	0.032
		RI- 80F			68.2	54.2	49.7	46.5	44.0	41.1	37.7	33.4	30.7	0.071
		RI- 90F			136.7	106.3	97.5	91.2	86.3	80.7	74.1	65.6	60.2	0.177
		RI- 108F			394.2	179.9	165.0	154.4	146.1	136.7	125.4	111.0	101.8	0.396
		RI- 140F			372.1	307.3	281.9	263.7	249.6	233.5	214.2	189.6	174.0	0.896
		RI- 152F			865.3	661.7	607.0	567.7	537.5	502.7	461.1	408.3	374.5	2.285
		RI- 178F			1956.6	1115.8	1023.5	957.2	906.3	847.6	777.5	688.5	631.5	3.394
	RI- 200F	3347.2	1548.5	1420.5	1328.5	1257.8	1176.3	1079.1	955.5	876.5	4.915			
RI- 254F	6249.9	2550.4	2339.5	2188.1	2071.6	1937.5	1777.3	1573.7	1443.6	14.809				
300	RI- 50F	MS	1	11.8	11.6	10.7	10.0	9.4	8.8	8.1	7.2	6.6	0.011	
	RI- 63F			23.9	23.7	21.7	20.3	19.2	18.0	16.5	14.6	13.4	0.024	
	RI- 70F			55.3	42.3	38.8	36.3	34.4	32.1	29.5	26.1	24.0	0.026	
	RI- 80F			68.2	52.6	48.3	45.1	42.7	40.0	36.7	32.5	29.8	0.058	
	RI- 90F			136.7	103.0	94.4	88.3	83.6	78.2	71.7	63.5	58.3	0.144	

Notes

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- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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
5	300	RI- 108F	MS	1	394.2	174.9	160.5	150.1	142.1	132.9	121.9	107.9	99.0	0.320
		RI- 140F			372.1	299.0	274.3	256.5	242.9	227.1	208.3	184.5	169.2	0.726
		RI- 152F			865.3	647.1	593.6	555.2	525.6	491.6	451.0	399.3	366.3	1.851
		RI- 178F			1956.6	1092.5	1002.2	937.3	887.4	829.9	761.3	674.1	618.4	2.749
		RI- 200F			3347.2	1515.9	1390.6	1300.5	1231.3	1151.6	1056.3	935.4	858.0	3.982
		RI- 254F			6249.9	2491.6	2285.6	2137.6	2023.8	1892.8	1736.3	1537.4	1410.3	11.995
	330	RI- 50F	MS	1	11.8	11.3	10.4	9.7	9.2	8.6	7.9	7.0	6.4	0.009
		RI- 63F			23.9	23.0	21.1	19.8	18.7	17.5	16.0	14.2	13.0	0.020
		RI- 70F			55.3	41.2	37.8	35.3	33.4	31.3	28.7	25.4	23.3	0.022
		RI- 80F			68.2	51.2	46.9	43.9	41.6	38.9	35.6	31.6	29.0	0.048
		RI- 90F			136.7	100.1	91.8	85.9	81.3	76.0	69.7	61.7	56.6	0.119
		RI- 108F			394.2	171.2	157.0	146.8	139.0	130.0	119.3	105.6	96.9	0.265
		RI- 140F			372.1	291.7	267.5	250.2	236.9	221.6	203.2	180.0	165.1	0.600
		RI- 152F			865.3	633.0	580.7	543.1	514.2	480.9	441.1	390.6	358.3	1.530
		RI- 178F			1956.6	1068.7	980.3	916.9	868.1	811.8	744.7	659.4	604.9	2.272
		RI- 200F			3347.2	1483.7	1361.0	1272.9	1205.2	1127.1	1033.9	915.5	839.8	3.291
		RI- 254F			6249.9	2438.9	2237.2	2092.4	1981.0	1852.7	1699.5	1504.9	1380.5	9.913
		6			90	RI- 50F	MS	1	18.5	17.9	17.9	17.6	16.6	15.5
RI- 63F	95.7		76.6	70.2		65.7			62.2	58.2	53.3	47.2	43.3	0.240
RI- 70F	100.3		82.2	75.4		70.5			66.8	62.5	57.3	50.7	46.5	0.249
RI- 80F	301.5		156.8	143.8		134.5			127.3	119.1	109.2	96.7	88.7	0.604
RI- 90F	324.6		166.1	152.4		142.5			134.9	126.2	115.7	102.5	94.0	1.358
RI- 108F	718.0		313.6	287.6		269.0			254.7	238.2	218.5	193.5	177.5	3.042
RI- 140F	1224.1		764.3	701.1		655.7			620.8	580.6	532.6	471.6	432.6	7.332
RI- 152F	1590.3		959.1	879.8		822.8			779.0	728.6	668.4	591.8	542.9	17.164
RI- 178F	1956.6		1146.0	1051.2		983.2			930.8	870.6	798.6	707.1	648.6	23.334
RI- 200F	3347.2		1621.7	1487.6		1391.3			1317.2	1231.9	1130.0	1000.6	917.9	32.982
RI- 254F	8780.8		4183.3	3837.4	3588.9	3397.9	3177.9	2915.1	2581.3	2367.8	114.453			
120	RI- 50F		MS	1	42.9	36.2	33.2	31.0	29.4	27.5	25.2	22.3	20.5	0.061
	RI- 63F				95.7	78.1	71.7	67.0	63.5	59.3	54.4	48.2	44.2	0.135
	RI- 70F				246.0	126.4	116.0	108.5	102.7	96.0	88.1	78.0	71.6	0.163
	RI- 80F				242.0	228.9	210.0	196.4	185.9	173.9	159.5	141.2	129.6	0.377
	RI- 90F				263.8	253.6	232.6	217.6	206.0	192.6	176.7	156.5	143.5	0.810
	RI- 108F				1033.8	483.5	443.6	414.8	392.8	367.3	337.0	298.4	273.7	1.878
	RI- 140F				1224.1	735.0	674.2	630.6	597.0	558.3	512.2	453.5	416.0	4.124
	RI- 152F	3684.5			1672.8	1534.4	1435.1	1358.7	1270.7	1165.7	1032.1	946.8	11.541	

Notes

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RI Series (flange type)

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	120	RI- 178F	MS	1	4532.6	2021.6	1854.4	1734.4	1642.1	1535.7	1408.7	1247.4	1144.3	15.936
		RI- 200F			5651.3	2211.8	2028.9	1897.6	1796.6	1680.2	1541.3	1364.8	1251.9	22.114
		RI- 254F			12952.6	5620.3	5155.6	4821.7	4565.1	4269.5	3916.5	3467.9	3181.2	75.695
	150	RI- 50F	MS	1	42.9	35.1	32.2	30.1	28.5	26.7	24.4	21.6	19.9	0.039
		RI- 63F			95.7	75.5	69.3	64.8	61.3	57.4	52.6	46.6	42.7	0.087
		RI- 70F			246.0	121.8	111.8	104.5	99.0	92.6	84.9	75.2	69.0	0.104
		RI- 80F			242.0	223.1	204.7	191.4	181.2	169.5	155.5	137.7	126.3	0.242
		RI- 90F			263.8	245.5	225.2	210.6	199.4	186.5	171.1	151.5	138.9	0.519
		RI- 108F			1033.8	467.4	428.7	401.0	379.6	355.0	325.7	288.4	264.5	1.202
		RI- 140F			1224.1	704.6	646.4	604.5	572.3	535.3	491.0	434.8	398.8	2.640
		RI- 152F			3684.5	1636.1	1500.8	1403.7	1329.0	1242.9	1140.1	1009.5	926.1	7.386
		RI- 178F			6366.7	3064.8	2811.4	2629.4	2489.4	2328.2	2135.7	1891.1	1734.7	12.839
	RI- 200F	6899.2	3267.2	2997.0	2803.0	2653.8	2482.0	2276.7	2016.0	1849.3	16.299			
	RI- 254F	12952.6	5473.3	5020.7	4695.6	4445.7	4157.8	3814.0	3377.2	3097.9	48.445			
	180	RI- 50F	MS	1	42.9	33.6	30.8	28.8	27.3	25.5	23.4	20.7	19.0	0.027
		RI- 63F			95.7	72.6	66.6	62.3	59.0	55.2	50.6	44.8	41.1	0.060
		RI- 70F			246.0	117.6	107.9	100.9	95.5	89.3	82.0	72.6	66.6	0.072
		RI- 80F			242.0	212.9	195.3	182.7	173.0	161.8	148.4	131.4	120.5	0.168
		RI- 90F			263.8	237.1	217.5	203.4	192.6	180.1	165.2	146.3	134.2	0.360
		RI- 108F			1033.8	451.8	414.4	387.6	367.0	343.2	314.8	278.8	255.7	0.835
		RI- 140F			1224.1	677.2	621.2	580.9	550.0	514.4	471.9	417.8	383.3	1.833
		RI- 152F			3684.5	1591.8	1460.2	1365.7	1293.0	1209.3	1109.3	982.2	901.0	5.129
		RI- 178F			6366.7	2998.4	2750.5	2572.4	2435.5	2277.8	2089.4	1850.1	1697.2	8.916
	RI- 200F	6899.2	3181.6	2918.5	2729.5	2584.2	2416.9	2217.1	1963.1	1800.8	11.319			
	RI- 254F	12952.6	5324.2	4884.0	4567.7	4324.6	4044.6	3710.1	3285.2	3013.6	33.642			
	210	RI- 50F	MS	1	42.9	32.2	29.5	27.6	26.1	24.4	22.4	19.8	18.2	0.020
		RI- 63F			95.7	69.6	63.9	59.7	56.6	52.9	48.5	43.0	39.4	0.044
RI- 70F		246.0			113.9	104.5	97.7	92.5	86.5	79.3	70.3	64.4	0.053	
RI- 80F		242.0			203.4	186.5	174.5	165.2	154.5	141.7	125.5	115.1	0.123	
RI- 90F		598.1			235.7	216.2	202.2	191.4	179.0	164.2	145.4	133.4	0.275	
RI- 108F		1033.8			437.0	400.9	374.9	355.0	332.0	304.5	269.7	247.4	0.613	
RI- 140F		1224.1			653.5	599.5	560.6	530.8	496.4	455.4	403.2	369.9	1.347	
RI- 152F		3684.5			1548.0	1420.0	1328.1	1257.4	1176.0	1078.7	955.2	876.2	3.768	
RI- 178F		6366.7			2919.2	2677.8	2504.4	2371.1	2217.6	2034.2	1801.2	1652.3	6.551	
RI- 200F	6899.2	3086.9	2831.6	2648.3	2507.3	2344.9	2151.1	1904.7	1747.2	8.316				
RI- 254F	12952.6	5184.2	4755.6	4447.7	4210.9	3938.3	3612.6	3198.9	2934.4	24.717				

Notes

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RI Series (flange type)

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	RI- 50F	MS	1	42.9	30.9	28.3	26.5	25.1	23.5	21.5	19.1	17.5	0.015
		RI- 63F			95.7	66.8	61.3	57.3	54.3	50.8	46.6	41.2	37.8	0.034
		RI- 70F			246.0	110.3	101.2	94.6	89.6	83.8	76.9	68.1	62.4	0.041
		RI- 80F			242.0	194.8	178.7	167.1	158.2	148.0	135.7	120.2	110.2	0.094
		RI- 90F			598.1	228.8	209.9	196.3	185.8	173.8	159.4	141.2	129.5	0.210
		RI- 108F			1033.8	424.5	389.4	364.2	344.8	322.5	295.8	261.9	240.3	0.469
		RI- 140F			1224.1	632.0	579.8	542.2	513.4	480.1	440.4	390.0	357.7	1.031
		RI- 152F			3684.5	1506.4	1381.9	1292.4	1223.6	1144.4	1049.7	929.5	852.7	2.885
		RI- 178F			6366.7	2805.0	2573.1	2406.5	2278.4	2130.9	1954.7	1730.8	1587.7	5.015
		RI- 200F			6899.2	3008.6	2759.9	2581.2	2443.8	2285.5	2096.6	1856.4	1702.9	6.367
	RI- 254F	12952.6	5041.7	4624.8	4325.4	4095.1	3830.0	3513.3	3110.9	2853.7	18.924			
	270	RI- 50F	MS	1	42.9	29.9	27.4	25.6	24.2	22.7	20.8	18.4	16.9	0.012
		RI- 63F			95.7	64.4	59.1	55.3	52.3	48.9	44.9	39.7	36.5	0.027
		RI- 70F			246.0	107.0	98.2	91.8	86.9	81.3	74.6	66.0	60.6	0.032
		RI- 80F			242.0	187.2	171.8	160.6	152.1	142.2	130.5	115.5	106.0	0.075
		RI- 90F			598.1	222.3	203.9	190.7	180.5	168.8	154.9	137.1	125.8	0.166
		RI- 108F			1033.8	409.3	375.5	351.2	332.5	310.9	285.2	252.6	231.7	0.371
		RI- 140F			1224.1	613.6	562.8	526.4	498.4	466.1	427.6	378.6	347.3	0.815
		RI- 152F			3684.5	1467.7	1346.4	1259.2	1192.2	1115.0	1022.8	905.6	830.8	2.280
		RI- 178F			6366.7	2685.6	2463.6	2304.0	2181.4	2040.2	1871.5	1657.1	1520.1	3.963
		RI- 200F			6899.2	2933.2	2690.7	2516.4	2382.5	2228.2	2044.0	1809.9	1660.2	5.031
	RI- 254F	12952.6	4906.6	4500.9	4209.5	3985.4	3727.4	3419.2	3027.6	2777.2	14.952			
	300	RI- 50F	MS	1	42.9	28.9	26.5	24.8	23.4	21.9	20.1	17.8	16.3	0.010
		RI- 63F			95.7	62.3	57.1	53.4	50.6	47.3	43.4	38.4	35.3	0.022
		RI- 70F			246.0	104.2	95.5	89.4	84.6	79.1	72.6	64.3	59.0	0.026
		RI- 80F			242.0	180.7	165.7	155.0	146.8	137.3	125.9	111.5	102.3	0.060
		RI- 90F			598.1	216.5	198.6	185.8	175.9	164.5	150.9	133.6	122.6	0.135
		RI- 108F			1033.8	394.9	362.3	338.8	320.8	300.0	275.2	243.7	223.5	0.300
		RI- 140F			1224.1	596.4	547.1	511.7	484.4	453.1	415.6	368.0	337.6	0.660
		RI- 152F			3684.5	1422.9	1305.2	1220.7	1155.7	1080.9	991.5	878.0	805.4	1.847
		RI- 178F			6366.7	2576.7	2363.6	2210.6	2092.9	1957.4	1795.5	1589.9	1458.4	3.210
		RI- 200F			6899.2	2859.4	2623.0	2453.2	2322.6	2172.2	1992.6	1764.4	1618.5	4.075
	RI- 254F	12952.6	4791.6	4395.4	4110.8	3892.0	3639.9	3339.0	2956.6	2712.1	12.111			
	330	RI- 50F	MS	1	42.9	28.0	25.7	24.0	22.7	21.3	19.5	17.3	15.8	0.008
		RI- 63F			95.7	60.5	55.5	51.9	49.1	45.9	42.1	37.3	34.2	0.018
		RI- 70F			246.0	100.9	92.5	86.5	81.9	76.6	70.3	62.2	57.1	0.022

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RI Series (flange type)

Torque Capacity Table

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						Input Shaft Revolution (rpm)									
						30	40	50	60	75	100	150		200	
6	330	RI- 80F	MS	1	242.0	175.0	160.5	150.1	142.1	132.9	121.9	108.0	99.0	0.050	
		RI- 90F			598.1	211.3	193.9	181.3	171.7	160.5	147.3	130.4	119.6	0.111	
		RI- 108F			1033.8	382.7	351.1	328.3	310.9	290.7	266.7	236.1	216.6	0.248	
		RI- 140F			1224.1	581.0	533.0	498.5	472.0	441.4	404.9	358.5	328.9	0.545	
		RI- 152F			3684.5	1375.1	1261.4	1179.7	1116.9	1044.6	958.2	848.5	778.3	1.526	
		RI- 178F			6366.7	2482.1	2276.8	2129.4	2016.1	1885.5	1729.6	1531.5	1404.9	2.653	
		RI- 200F			6899.2	2792.8	2561.9	2396.0	2268.5	2121.6	1946.2	1723.3	1580.8	3.368	
		RI- 254F			12952.6	4677.0	4290.3	4012.5	3798.9	3552.9	3259.2	2885.9	2647.3	10.009	
8	90	RI- 50F	MS	1	18.5	17.9	17.9	17.9	17.9	17.8	16.3	14.4	13.2	0.078	
		RI- 63F			52.8	50.9	46.7	43.7	41.3	38.7	35.5	31.4	28.8	0.172	
		RI- 70F			100.3	94.1	86.3	80.7	76.4	71.5	65.6	58.1	53.3	0.194	
		RI- 80F			200.7	159.9	146.7	137.2	129.9	121.5	111.4	98.7	90.5	0.451	
		RI- 90F			216.1	174.0	159.6	149.3	141.3	132.2	121.3	107.4	98.5	1.016	
		RI- 108F			316.6	307.1	307.1	296.2	280.5	262.3	240.6	213.1	195.5	2.295	
		RI- 140F			843.8	396.1	363.4	339.8	321.8	300.9	276.0	244.4	224.2	5.050	
		RI- 152F			1580.2	816.0	748.5	700.0	662.8	619.9	568.6	503.5	461.9	12.806	
		RI- 178F			3089.8	1757.6	1612.2	1507.9	1427.6	1335.2	1224.8	1084.5	994.8	20.091	
			RI- 200F			5133.5	2613.7	2397.6	2242.4	2123.0	1985.5	1821.4	1612.8	1479.4	29.940
			RI- 254F			7189.8	3148.0	2887.7	2700.7	2557.0	2391.4	2193.7	1942.4	1781.8	83.583
		120	RI- 50F	MS	1	18.5	18.3	18.3	18.3	18.3	17.1	15.7	13.9	12.7	0.044
			RI- 63F			52.8	49.5	45.4	42.5	40.2	37.6	34.5	30.6	28.0	0.097
			RI- 70F			100.3	91.0	83.4	78.0	73.9	69.1	63.4	56.1	51.5	0.109
			RI- 80F			200.7	156.9	143.9	134.6	127.4	119.2	109.3	96.8	88.8	0.254
			RI- 90F			216.1	169.3	155.3	145.3	137.5	128.6	118.0	104.5	95.8	0.572
			RI- 108F			718.0	340.9	312.7	292.5	276.9	259.0	237.6	210.4	193.0	1.335
			RI- 140F			666.1	587.1	538.6	503.7	476.9	446.0	409.1	362.3	332.3	2.979
			RI- 152F			1590.3	1076.0	987.0	923.1	874.0	817.4	749.8	663.9	609.0	7.539
			RI- 178F			3089.8	1708.2	1567.0	1465.5	1387.5	1297.7	1190.4	1054.0	966.9	11.301
			RI- 200F			5133.5	2554.1	2342.9	2191.2	2074.6	1940.2	1779.8	1576.0	1445.7	16.841
			RI- 254F			8780.8	4654.7	4269.8	3993.3	3780.8	3536.0	3243.6	2872.1	2634.6	52.365
		150	RI- 50F	MS	1	18.5	18.3	18.3	18.3	17.3	16.2	14.9	13.2	12.1	0.028
			RI- 63F			52.8	47.2	43.3	40.5	38.3	35.8	32.9	29.1	26.7	0.062
			RI- 70F			100.3	86.3	79.2	74.0	70.1	65.6	60.1	53.3	48.9	0.070
			RI- 80F			200.7	149.2	136.8	128.0	121.2	113.3	103.9	92.0	84.4	0.162
			RI- 90F			216.1	161.2	147.9	138.3	131.0	122.5	112.4	99.5	91.3	0.366
		RI- 108F			718.0	326.0	299.0	279.7	264.8	247.6	227.2	201.1	184.5	0.854	

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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	RI- 140F	MS	1	666.1	558.8	512.6	479.4	453.9	424.5	389.4	344.8	316.3	1.907
		RI- 152F			1590.3	1032.8	947.4	886.1	838.9	784.6	719.7	637.3	584.6	4.825
		RI- 178F			4532.6	2221.9	2038.2	1906.2	1804.7	1687.9	1548.3	1371.0	1257.6	8.385
		RI- 200F			5133.5	2471.9	2267.5	2120.7	2007.8	1877.8	1722.5	1525.2	1399.1	10.779
		RI- 254F			8780.8	4472.4	4102.6	3836.9	3632.7	3397.5	3116.5	2759.6	2531.4	33.514
	180	RI- 50F	MS	1	18.5	17.9	17.9	17.4	16.5	15.4	14.2	12.5	11.5	0.020
		RI- 63F			52.8	44.9	41.1	38.5	36.4	34.1	31.3	27.7	25.4	0.043
		RI- 70F			100.3	82.0	75.3	70.4	66.6	62.3	57.2	50.6	46.4	0.049
		RI- 80F			200.7	142.0	130.2	121.8	115.3	107.9	98.9	87.6	80.4	0.113
		RI- 90F			324.6	165.1	151.4	141.6	134.1	125.4	115.0	101.9	93.4	0.262
		RI- 108F			718.0	312.9	287.1	268.5	254.2	237.7	218.1	193.1	177.1	0.593
		RI- 140F			666.1	533.9	489.8	458.1	433.7	405.6	372.1	329.5	302.2	1.324
		RI- 152F			1590.3	997.1	914.6	855.4	809.9	757.4	694.8	615.2	564.4	3.351
		RI- 178F			4532.6	2153.7	1975.6	1847.7	1749.3	1636.1	1500.8	1328.9	1219.0	5.823
		RI- 200F			5905.5	2456.8	2253.6	2107.7	1995.5	1866.3	1712.0	1515.9	1390.6	8.131
	RI- 254F	12952.6	5926.6	5436.6	5084.5	4813.9	4502.2	4129.9	3656.9	3354.5	28.303			
	210	RI- 50F	MS	1	18.5	17.9	17.8	16.7	15.8	14.8	13.5	12.0	11.0	0.014
		RI- 63F			52.8	42.9	39.4	36.8	34.9	32.6	29.9	26.5	24.3	0.032
		RI- 70F			100.3	78.5	72.0	67.3	63.7	59.6	54.7	48.4	44.4	0.036
		RI- 80F			200.7	135.9	124.7	116.6	110.4	103.2	94.7	83.8	76.9	0.083
		RI- 90F			324.6	158.7	145.6	136.2	128.9	120.6	110.6	97.9	89.8	0.193
		RI- 108F			718.0	301.2	276.3	258.4	244.7	228.8	209.9	185.9	170.5	0.436
		RI- 140F			666.1	512.4	470.0	439.6	416.2	389.2	357.0	316.2	290.0	0.973
		RI- 152F			1590.3	955.5	876.5	819.8	776.1	725.9	665.9	589.6	540.8	2.462
		RI- 178F			4532.6	2086.0	1913.6	1789.6	1694.4	1584.7	1453.6	1287.2	1180.7	4.278
		RI- 200F			5905.5	2385.7	2188.5	2046.8	1937.8	1812.3	1662.5	1472.1	1350.4	5.974
	RI- 254F	12952.6	5738.3	5263.9	4923.0	4661.0	4359.2	3998.7	3540.7	3248.0	20.794			
	240	RI- 50F	MS	1	18.5	17.9	17.1	16.0	15.2	14.2	13.0	11.5	10.6	0.011
RI- 63F		52.8			41.3	37.9	35.5	33.6	31.4	28.8	25.5	23.4	0.024	
RI- 70F		100.3			75.3	69.1	64.6	61.2	57.2	52.5	46.5	42.6	0.027	
RI- 80F		301.5			147.7	135.5	126.7	120.0	112.2	103.0	91.2	83.6	0.067	
RI- 90F		324.6			153.4	140.7	131.6	124.6	116.5	106.9	94.6	86.8	0.147	
RI- 108F		718.0			291.1	267.1	249.8	236.5	221.2	202.9	179.6	164.8	0.334	
RI- 140F		666.1			494.6	453.7	424.3	401.7	375.7	344.7	305.2	279.9	0.745	
RI- 152F		1590.3			917.7	841.8	787.3	745.4	697.1	639.5	566.2	519.4	1.885	
RI- 178F	4532.6	2023.9	1856.5	1736.3	1643.9	1537.5	1410.3	1248.8	1145.5	3.276				

Notes

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RI Series (flange type)

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	240	RI- 200F	MS	1	5905.5	2315.3	2123.8	1986.3	1880.6	1758.8	1613.4	1428.6	1310.5	4.574
		RI- 254F			12952.6	5557.4	5097.9	4767.8	4514.0	4221.7	3872.6	3429.1	3145.6	15.920
	270	RI- 50F	MS	1	18.5	18.0	16.5	15.4	14.6	13.7	12.5	11.1	10.2	0.009
		RI- 63F			52.8	39.9	36.6	34.2	32.4	30.3	27.8	24.6	22.6	0.019
		RI- 70F			100.3	72.6	66.6	62.3	59.0	55.1	50.6	44.8	41.1	0.022
		RI- 80F			301.5	143.4	131.5	123.0	116.4	108.9	99.9	88.5	81.1	0.053
		RI- 90F			324.6	148.7	136.4	127.6	120.8	113.0	103.7	91.8	84.2	0.117
		RI- 108F			718.0	282.6	259.2	242.4	229.5	214.7	196.9	174.4	159.9	0.264
		RI- 140F			666.1	479.2	439.6	411.1	389.2	364.0	333.9	295.7	271.2	0.588
		RI- 152F			1590.3	884.0	810.9	758.4	718.0	671.6	616.0	545.5	500.4	1.489
		RI- 178F			4532.6	1966.4	1803.8	1687.0	1597.2	1493.8	1370.2	1213.3	1113.0	2.588
		RI- 200F			5905.5	2251.0	2064.9	1931.2	1828.4	1710.0	1568.6	1388.9	1274.1	3.614
	RI- 254F	12952.6	5397.0	4950.8	4630.2	4383.8	4099.9	3760.9	3330.2	3054.8	12.579			
	300	RI- 50F	MS	1	18.5	17.4	16.0	15.0	14.2	13.2	12.1	10.8	9.9	0.007
		RI- 63F			52.8	38.6	35.4	33.1	31.4	29.3	26.9	23.8	21.9	0.015
		RI- 70F			100.3	70.3	64.5	60.3	57.1	53.4	49.0	43.4	39.8	0.017
		RI- 80F			301.5	139.4	127.9	119.6	113.2	105.9	97.1	86.0	78.9	0.043
		RI- 90F			324.6	144.6	132.6	124.0	117.4	109.8	100.7	89.2	81.8	0.094
		RI- 108F			718.0	274.6	251.9	235.5	223.0	208.6	191.3	169.4	155.4	0.214
		RI- 140F			666.1	465.4	426.9	399.3	378.0	353.6	324.3	287.2	263.4	0.477
		RI- 152F			1590.3	853.4	782.9	732.2	693.2	648.3	594.7	526.6	483.1	1.206
		RI- 178F			4532.6	1917.5	1759.0	1645.1	1557.5	1456.7	1336.2	1183.2	1085.3	2.096
		RI- 200F			5905.5	2192.5	2011.2	1881.0	1780.9	1665.5	1527.8	1352.8	1241.0	2.927
	RI- 254F	12952.6	5258.9	4824.1	4511.7	4271.6	3995.0	3664.7	3244.9	2976.6	10.189			
	330	RI- 50F	MS	1	18.5	16.9	15.5	14.5	13.7	12.9	11.8	10.4	9.6	0.006
		RI- 63F			52.8	37.5	34.4	32.2	30.4	28.5	26.1	23.1	21.2	0.013
		RI- 70F			100.3	68.3	62.6	58.6	55.4	51.8	47.6	42.1	38.6	0.014
		RI- 80F			301.5	135.4	124.2	116.2	110.0	102.9	94.4	83.6	76.7	0.036
		RI- 90F			324.6	140.8	129.2	120.8	114.4	107.0	98.1	86.9	79.7	0.078
		RI- 108F			718.0	267.3	245.2	229.3	217.1	203.0	186.2	164.9	151.3	0.176
RI- 140F		666.1			453.1	415.6	388.7	368.0	344.2	315.7	279.6	256.5	0.394	
RI- 152F		1590.3			827.6	759.2	710.0	672.2	628.7	576.7	510.7	468.5	0.997	
RI- 178F		4532.6			1859.3	1705.5	1595.1	1510.2	1412.4	1295.6	1147.2	1052.4	1.733	
RI- 200F		5905.5			2139.1	1962.3	1835.2	1737.5	1625.0	1490.6	1319.9	1210.8	2.419	
RI- 254F	12952.6	5130.8	4706.6	4401.8	4167.5	3897.7	3575.4	3165.9	2904.1	8.421				
10	90	RI- 50F	MS	1	11.7	11.3	11.3	11.3	11.3	11.3	11.1	9.9	9.0	0.061

Notes

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RI Series (flange type)

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	
10	90	RI- 63F	MS	1	52.8	51.2	51.1	47.8	45.2	42.3	38.8	34.3	31.5	0.140
		RI- 70F			55.3	53.6	53.4	50.0	47.3	44.3	40.6	36.0	33.0	0.145
		RI- 80F			68.2	66.2	65.4	61.2	57.9	54.2	49.7	44.0	40.4	0.320
		RI- 90F			136.7	132.6	128.2	119.9	113.5	106.2	97.4	86.2	79.1	0.797
		RI- 108F			262.4	230.6	211.6	197.9	187.3	175.2	160.7	142.3	130.5	1.733
		RI- 140F			372.1	361.0	361.0	358.9	339.8	317.8	291.5	258.2	236.8	4.034
		RI- 152F			865.3	839.3	808.9	756.5	716.2	669.8	614.5	544.1	499.1	10.282
		RI- 178F			1956.6	1468.3	1346.9	1259.7	1192.7	1115.4	1023.2	906.0	831.1	15.274
		RI- 200F			2120.6	1551.5	1423.2	1331.0	1260.2	1178.6	1081.1	957.3	878.2	20.025
	RI- 254F	6249.9	3371.9	3093.1	2892.8	2738.8	2561.5	2349.7	2080.6	1908.5	66.640			
	120	RI- 50F	MS	1	11.7	11.4	11.4	11.4	11.4	11.4	10.5	9.3	8.5	0.035
		RI- 63F			52.8	51.2	48.5	45.3	42.9	40.1	36.8	32.6	29.9	0.079
		RI- 70F			55.3	53.6	50.8	47.5	45.0	42.1	38.6	34.2	31.4	0.081
		RI- 80F			68.2	68.0	62.3	58.3	55.2	51.6	47.4	41.9	38.5	0.180
		RI- 90F			136.7	133.9	122.8	114.8	108.7	101.7	93.3	82.6	75.8	0.448
		RI- 108F			262.4	220.5	202.3	189.2	179.1	167.5	153.7	136.1	124.8	0.975
		RI- 140F			372.1	361.0	360.5	337.2	319.2	298.6	273.9	242.5	222.5	2.269
		RI- 152F			865.3	839.6	770.2	720.3	682.0	637.8	585.1	518.1	475.2	5.784
		RI- 178F			1956.6	1406.9	1290.6	1207.0	1142.8	1068.8	980.4	868.1	796.3	8.591
	RI- 200F	3347.2	1963.6	1801.3	1684.6	1595.0	1491.7	1368.3	1211.6	1111.4	12.442			
	RI- 254F	6249.9	3231.7	2964.5	2772.5	2624.9	2455.0	2252.0	1994.1	1829.2	37.485			
	150	RI- 50F	MS	1	11.7	11.5	11.5	11.5	11.5	10.8	9.9	8.8	8.0	0.022
		RI- 63F			52.8	50.0	45.9	42.9	40.6	38.0	34.9	30.9	28.3	0.050
		RI- 70F			55.3	52.1	47.8	44.7	42.3	39.6	36.3	32.2	29.5	0.052
		RI- 80F			68.2	64.4	59.1	55.3	52.3	48.9	44.9	39.8	36.5	0.115
		RI- 90F			136.7	126.5	116.0	108.5	102.7	96.1	88.1	78.1	71.6	0.287
		RI- 108F			394.2	216.9	199.0	186.1	176.2	164.8	151.2	133.9	122.8	0.641
		RI- 140F			372.1	370.8	340.1	318.1	301.2	281.7	258.4	228.8	209.9	1.452
		RI- 152F			1580.2	820.3	752.4	703.7	666.3	623.1	571.6	506.1	464.3	3.797
		RI- 178F			1956.6	1350.4	1238.8	1158.6	1096.9	1025.9	941.0	833.3	764.4	5.498
	RI- 200F	3347.2	1876.6	1721.4	1610.0	1524.3	1425.6	1307.7	1157.9	1062.2	7.963			
	RI- 254F	6249.9	3087.0	2831.7	2648.4	2507.4	2345.1	2151.2	1904.8	1747.3	23.991			
	180	RI- 50F	MS	1	11.7	11.6	11.6	11.6	11.0	10.2	9.4	8.3	7.6	0.015
		RI- 63F			52.8	47.6	43.7	40.8	38.7	36.2	33.2	29.4	26.9	0.035
		RI- 70F			55.3	49.6	45.5	42.5	40.3	37.7	34.5	30.6	28.1	0.036
		RI- 80F			68.2	61.4	56.3	52.7	49.9	46.6	42.8	37.9	34.7	0.080

Notes

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RI Series (flange type)

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		
10	180	RI- 90F	MS	1	216.1	162.2	148.8	139.2	131.8	123.2	113.1	100.1	91.8	0.208		
		RI- 108F			394.2	207.5	190.3	178.0	168.5	157.6	144.6	128.0	117.4	0.445		
		RI- 140F			372.1	353.6	324.3	303.3	287.2	268.6	246.4	218.2	200.1	1.008		
		RI- 152F			1580.2	785.6	720.6	673.9	638.1	596.8	547.4	484.7	444.6	2.637		
		RI- 178F			1956.6	1295.9	1188.7	1111.7	1052.6	984.4	903.0	799.6	733.5	3.818		
		RI- 200F			3347.2	1802.3	1653.3	1546.3	1464.0	1369.2	1256.0	1112.1	1020.2	5.530		
		RI- 254F			6249.9	2958.0	2713.4	2537.7	2402.7	2247.1	2061.3	1825.2	1674.3	20.071		
	210	RI- 50F	MS	1	11.7	11.3	11.3	11.0	10.5	9.8	9.0	7.9	7.3	0.011		
		RI- 63F			52.8	45.4	41.7	39.0	36.9	34.5	31.6	28.0	25.7	0.026		
		RI- 70F			55.3	47.4	43.4	40.6	38.5	36.0	33.0	29.2	26.8	0.027		
		RI- 80F			68.2	58.7	53.9	50.4	47.7	44.6	40.9	36.2	33.2	0.059		
		RI- 90F			216.1	154.8	142.0	132.8	125.8	117.6	107.9	95.5	87.6	0.153		
		RI- 108F			394.2	199.4	183.0	171.1	162.0	151.5	139.0	123.1	112.9	0.327		
		RI- 140F			372.1	338.7	310.7	290.5	275.1	257.3	236.0	209.0	191.7	0.741		
		RI- 152F			1580.2	757.2	694.6	649.6	615.0	575.2	527.6	467.2	428.6	1.937		
		RI- 178F			1956.6	1250.2	1146.8	1072.6	1015.5	949.7	871.2	771.4	707.6	2.805		
		RI- 200F			3347.2	1733.4	1590.1	1487.1	1407.9	1316.8	1207.9	1069.6	981.1	4.063		
	RI- 254F	7189.8	2931.5	2689.1	2515.0	2381.1	2226.9	2042.8	1808.8	1659.3	12.998					
	240	RI- 50F	MS	1	11.7	11.4	11.4	10.6	10.1	9.4	8.6	7.6	7.0	0.009		
		RI- 63F			52.8	43.6	40.0	37.4	35.4	33.1	30.4	26.9	24.7	0.020		
		RI- 70F			55.3	45.5	41.7	39.0	36.9	34.6	31.7	28.1	25.7	0.020		
		RI- 80F			68.2	56.5	51.8	48.4	45.9	42.9	39.3	34.8	32.0	0.045		
		RI- 90F			216.1	148.8	136.5	127.6	120.8	113.0	103.7	91.8	84.2	0.117		
		RI- 108F			394.2	192.2	176.3	164.9	156.1	146.0	133.9	118.6	108.8	0.250		
		RI- 140F			372.1	326.4	299.4	280.0	265.1	247.9	227.4	201.4	184.7	0.567		
		RI- 152F			1580.2	730.6	670.2	626.8	593.4	555.0	509.1	450.8	413.5	1.483		
		RI- 178F			3089.8	1579.1	1448.5	1354.7	1282.6	1199.5	1100.4	974.3	893.8	2.400		
		RI- 200F			4912.5	2268.4	2080.8	1946.1	1842.5	1723.2	1580.7	1399.6	1283.9	3.638		
		RI- 254F			7189.8	2833.2	2598.9	2430.6	2301.3	2152.3	1974.3	1748.2	1603.6	9.952		
		270			RI- 50F	MS	1	11.7	11.3	11.0	10.2	9.7	9.1	8.3	7.4	6.8
RI- 63F					52.8			42.1	38.6	36.1	34.2	32.0	29.3	26.0	23.8	0.016
RI- 70F	55.3		43.9	40.3	37.7			35.6	33.3	30.6	27.1	24.8	0.016			
RI- 80F	124.9		97.1	89.1	83.3			78.9	73.8	67.7	59.9	55.0	0.038			
RI- 90F	216.1		143.6	131.7	123.2			116.6	109.1	100.1	88.6	81.3	0.092			
RI- 108F	394.2		186.1	170.7	159.6			151.1	141.4	129.7	114.8	105.3	0.198			
RI- 140F	372.1		315.4	289.3	270.6			256.2	239.6	219.8	194.6	178.5	0.448			

Notes

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RI Series (flange type)

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
10	270	RI- 152F	MS	1	1580.2	708.6	650.0	607.9	575.6	538.3	493.8	437.2	401.1	1.172
		RI- 178F			3089.8	1519.3	1393.7	1303.5	1234.1	1154.2	1058.7	937.5	860.0	1.896
		RI- 200F			4912.5	2202.8	2020.6	1889.8	1789.2	1673.4	1535.0	1359.2	1246.8	2.874
		RI- 254F			8780.8	4195.3	3848.4	3599.2	3407.6	3187.0	2923.4	2588.6	2374.6	8.920
	300	MS	1	RI- 50F	11.7	11.6	10.6	9.9	9.4	8.8	8.1	7.1	6.6	0.006
				RI- 63F	52.8	40.7	37.4	35.0	33.1	31.0	28.4	25.1	23.1	0.013
				RI- 70F	55.3	42.5	39.0	36.5	34.5	32.3	29.6	26.2	24.1	0.013
				RI- 80F	124.9	94.1	86.3	80.7	76.4	71.5	65.6	58.1	53.3	0.031
				RI- 90F	216.1	139.0	127.5	119.2	112.9	105.6	96.8	85.7	78.6	0.075
				RI- 108F	394.2	180.7	165.7	155.0	146.8	137.3	125.9	111.5	102.3	0.160
				RI- 140F	372.1	306.0	280.7	262.5	248.5	232.4	213.2	188.8	173.2	0.363
				RI- 152F	1580.2	688.7	631.8	590.8	559.4	523.2	479.9	425.0	389.8	0.949
				RI- 178F	3089.8	1466.3	1345.1	1258.0	1191.0	1113.9	1021.8	904.8	830.0	1.536
				RI- 200F	4912.5	2139.5	1962.6	1835.6	1737.9	1625.3	1490.9	1320.2	1211.0	2.328
	RI- 254F	8780.8	4080.3	3742.9	3500.5	3314.2	3099.6	2843.3	2517.7	2309.5	7.225			
	330	MS	1	RI- 50F	11.7	11.2	10.3	9.6	9.1	8.5	7.8	6.9	6.4	0.005
				RI- 63F	52.8	39.6	36.3	34.0	32.1	30.1	27.6	24.4	22.4	0.010
				RI- 70F	55.3	41.3	37.9	35.4	33.5	31.4	28.8	25.5	23.4	0.011
				RI- 80F	124.9	91.3	83.8	78.3	74.2	69.4	63.6	56.3	51.7	0.026
				RI- 90F	216.1	135.0	123.8	115.8	109.6	102.5	94.1	83.3	76.4	0.062
RI- 108F				394.2	175.9	161.3	150.9	142.9	133.6	122.6	108.5	99.6	0.132	
RI- 140F				372.1	297.8	273.2	255.5	241.9	226.2	207.5	183.8	168.6	0.300	
RI- 152F				1580.2	670.1	614.7	574.9	544.3	509.0	467.0	413.5	379.3	0.785	
RI- 178F				3089.8	1422.9	1305.3	1220.8	1155.8	1080.9	991.6	878.0	805.4	1.270	
RI- 200F				4912.5	2082.2	1910.0	1786.3	1691.3	1581.7	1451.0	1284.8	1178.5	1.924	
RI- 254F	8780.8	3975.2	3646.5	3410.4	3228.9	3019.8	2770.1	2452.8	2250.0	5.971				
12	90	MS	1	RI- 50F	11.7	11.3	11.3	11.3	11.3	11.3	11.3	10.5	9.6	0.051
				RI- 63F	23.9	23.2	23.2	23.2	23.2	23.2	23.2	21.4	19.6	0.112
				RI- 70F	24.5	24.4	24.4	24.4	24.4	24.4	24.4	21.6	19.8	0.115
				RI- 80F	68.2	66.2	66.2	65.3	61.8	57.8	53.0	46.9	43.1	0.270
				RI- 90F	136.7	132.6	132.6	127.9	121.1	113.3	103.9	92.0	84.4	0.673
				RI- 108F	164.0	162.7	162.7	152.2	144.1	134.7	123.6	109.4	100.4	1.415
				RI- 140F	308.7	272.7	250.2	234.0	221.5	207.2	190.0	168.3	154.4	3.208
				RI- 152F	483.7	475.7	475.7	475.7	475.7	444.9	408.1	361.4	331.5	8.190
				RI- 178F	1075.0	1052.6	1052.6	984.4	932.0	871.7	799.6	708.0	649.5	12.001
				RI- 200F	2120.6	1671.4	1533.2	1433.9	1357.6	1269.7	1164.7	1031.3	946.0	17.309

Notes

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RI Series (flange type)

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	
12	90	RI- 254F	MS	1	4260.1	2678.9	2457.4	2298.3	2176.0	2035.1	1866.8	1653.0	1516.3	52.104
		RI- 50F			12.3	11.9	11.9	11.9	11.9	11.9	11.7	10.4	9.5	0.029
		RI- 63F			23.9	23.2	23.2	23.2	23.2	23.2	22.7	20.1	18.4	0.063
		RI- 70F			24.5	23.7	23.7	23.7	23.7	23.7	22.8	20.2	18.6	0.065
		RI- 80F			68.2	66.2	65.9	61.6	58.3	54.5	50.0	44.3	40.6	0.152
		RI- 90F			136.7	132.6	129.3	120.9	114.5	107.1	98.2	87.0	79.8	0.379
		RI- 108F			164.0	159.0	153.9	143.9	136.3	127.4	116.9	103.5	95.0	0.796
		RI- 140F			308.7	254.1	233.1	218.0	206.4	193.0	177.0	156.8	143.8	1.805
		RI- 152F			483.7	475.0	475.0	475.0	449.7	420.6	385.8	341.6	313.4	4.607
		RI- 178F			1963.2	1119.0	1026.5	960.0	908.9	850.1	779.8	690.5	633.4	6.980
	RI- 200F	2120.6	1580.9	1450.2	1356.3	1284.1	1201.0	1101.7	975.5	894.8	9.736			
	RI- 254F	4260.1	2538.8	2328.8	2178.1	2062.1	1928.6	1769.1	1566.5	1437.0	29.308			
	150	RI- 50F	12.3	12.0	12.0	12.0	12.0	12.0	11.0	9.8	9.0	0.019		
		RI- 63F	23.9	23.3	23.3	23.3	23.3	23.3	21.4	18.9	17.3	0.040		
		RI- 70F	55.3	54.7	50.1	46.9	44.4	41.5	38.1	33.7	30.9	0.044		
		RI- 80F	124.9	120.7	110.7	103.6	98.0	91.7	84.1	74.5	68.3	0.106		
		RI- 90F	136.7	132.4	121.4	113.6	107.5	100.5	92.2	81.7	74.9	0.242		
		RI- 108F	262.4	219.2	201.0	188.0	178.0	166.5	152.7	135.2	124.0	0.528		
		RI- 140F	463.7	248.8	228.2	213.5	202.1	189.0	173.4	153.5	140.8	1.178		
		RI- 152F	1096.9	540.5	495.8	463.7	439.0	410.6	376.6	333.5	305.9	3.013		
		RI- 178F	1956.6	1436.0	1317.3	1232.0	1166.4	1090.9	1000.7	886.1	812.8	4.773		
		RI- 200F	2120.6	1500.9	1376.8	1287.6	1219.1	1140.1	1045.9	926.1	849.5	6.231		
	RI- 254F	4260.1	2407.4	2208.3	2065.3	1955.4	1828.8	1677.6	1485.4	1362.6	18.757			
	180	RI- 50F	12.3	12.2	12.2	12.2	12.2	11.4	10.4	9.3	8.5	0.013		
		RI- 63F	23.9	23.6	23.6	23.6	23.6	22.1	20.2	17.9	16.4	0.028		
		RI- 70F	55.3	51.8	47.5	44.5	42.1	39.4	36.1	32.0	29.3	0.031		
		RI- 80F	124.9	114.6	105.1	98.3	93.1	87.0	79.8	70.7	64.8	0.074		
		RI- 90F	136.7	125.9	115.5	108.0	102.2	95.6	87.7	77.7	71.2	0.168		
		RI- 108F	262.4	207.7	190.6	178.2	168.7	157.8	144.8	128.2	117.6	0.367		
		RI- 140F	463.7	236.1	216.5	202.5	191.7	179.3	164.5	145.7	133.6	0.818		
		RI- 152F	1096.9	517.0	474.3	443.5	419.9	392.7	360.3	319.0	292.6	2.092		
		RI- 178F	1956.6	1374.7	1261.0	1179.4	1116.6	1044.3	958.0	848.2	778.1	3.315		
		RI- 200F	2120.6	1435.5	1316.8	1231.5	1166.0	1090.5	1000.3	885.7	812.5	4.327		
	RI- 254F	6249.9	3124.7	2866.4	2680.8	2538.1	2373.7	2177.5	1928.1	1768.6	14.524			
	210	RI- 50F	12.3	11.6	11.6	11.6	11.6	10.9	10.0	8.8	8.1	0.009		
		RI- 63F	23.9	23.8	23.8	23.8	22.6	21.1	19.4	17.2	15.7	0.021		

Notes

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RI Series (flange type)

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	
12	210	RI- 70F	MS	1	55.3	49.4	45.3	42.4	40.1	37.5	34.4	30.5	28.0	0.023
		RI- 80F			124.9	109.5	100.5	94.0	89.0	83.2	76.3	67.6	62.0	0.054
		RI- 90F			136.7	120.2	110.2	103.1	97.6	91.3	83.7	74.1	68.0	0.124
		RI- 108F			262.4	198.7	182.3	170.5	161.4	150.9	138.4	122.6	112.5	0.269
		RI- 140F			463.7	226.0	207.3	193.9	183.6	171.7	157.5	139.5	127.9	0.601
		RI- 152F			1096.9	496.5	455.5	426.0	403.3	377.2	346.0	306.4	281.1	1.537
		RI- 178F			1956.6	1315.8	1207.0	1128.8	1068.7	999.5	916.9	811.9	744.7	2.435
		RI- 200F			2120.6	1378.6	1264.6	1182.7	1119.8	1047.3	960.7	850.6	780.3	3.179
		RI- 254F			6249.9	3010.3	2761.4	2582.6	2445.1	2286.8	2097.7	1857.5	1703.9	10.671
	240	RI- 50F	MS	1	12.3	11.9	11.9	11.8	11.2	10.5	9.6	8.5	7.8	0.007
		RI- 63F			23.9	23.2	23.2	22.9	21.7	20.3	18.6	16.5	15.1	0.016
		RI- 70F			55.3	47.5	43.6	40.8	38.6	36.1	33.1	29.3	26.9	0.017
		RI- 80F			124.9	105.0	96.3	90.1	85.3	79.8	73.2	64.8	59.4	0.042
		RI- 90F			136.7	115.6	106.0	99.1	93.9	87.8	80.5	71.3	65.4	0.095
		RI- 108F			262.4	190.7	174.9	163.6	154.9	144.8	132.9	117.6	107.9	0.206
		RI- 140F			463.7	217.5	199.5	186.6	176.7	165.2	151.6	134.2	123.1	0.460
		RI- 152F			1096.9	478.7	439.1	410.7	388.8	363.6	333.6	295.4	270.9	1.177
		RI- 178F			1956.6	1261.5	1157.2	1082.2	1024.6	958.3	879.1	778.4	714.0	1.864
	RI- 200F	2120.6	1330.9	1220.9	1141.8	1081.0	1011.0	927.4	821.2	753.3	2.434			
	RI- 254F	6249.9	2902.5	2662.5	2490.1	2357.5	2204.9	2022.6	1790.9	1642.8	8.170			
	270	RI- 50F	MS	1	12.3	12.2	12.2	11.4	10.8	10.1	9.3	8.2	7.5	0.006
		RI- 63F			23.9	23.6	23.6	22.1	20.9	19.6	18.0	15.9	14.6	0.012
		RI- 70F			55.3	45.9	42.1	39.3	37.2	34.8	32.0	28.3	26.0	0.014
		RI- 80F			124.9	101.4	93.0	87.0	82.4	77.0	70.6	62.6	57.4	0.033
		RI- 90F			136.7	111.6	102.3	95.7	90.6	84.7	77.7	68.8	63.1	0.075
		RI- 108F			262.4	184.1	168.9	158.0	149.6	139.9	128.3	113.6	104.2	0.163
		RI- 140F			463.7	210.5	193.1	180.6	171.0	159.9	146.7	129.9	119.2	0.364
		RI- 152F			1096.9	463.6	425.2	397.7	376.5	352.1	323.0	286.0	262.4	0.930
		RI- 178F			1956.6	1215.2	1114.7	1042.5	987.0	923.1	846.8	749.8	687.8	1.473
	RI- 200F	2120.6	1287.9	1181.4	1104.9	1046.1	978.4	897.5	794.7	729.0	1.923			
RI- 254F	6249.9	2807.3	2575.2	2408.4	2280.2	2132.6	1956.2	1732.2	1589.0	6.455				
300	RI- 50F	MS	1	12.3	11.9	11.8	11.1	10.5	9.8	9.0	7.9	7.3	0.005	
	RI- 63F			23.9	23.2	22.9	21.4	20.3	19.0	17.4	15.4	14.1	0.010	
	RI- 70F			55.3	44.5	40.8	38.1	36.1	33.8	31.0	27.4	25.2	0.011	
	RI- 80F			124.9	98.2	90.0	84.2	79.7	74.6	68.4	60.6	55.6	0.027	
	RI- 90F			136.7	107.9	99.0	92.6	87.7	82.0	75.2	66.6	61.1	0.061	

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RI Series (flange type)

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
12	300	RI- 108F	MS	1	262.4	178.4	163.7	153.1	144.9	135.5	124.3	110.1	101.0	0.132
		RI- 140F			463.7	204.1	187.2	175.1	165.8	155.0	142.2	125.9	115.5	0.295
		RI- 152F			1096.9	449.8	412.6	385.9	365.4	341.7	313.5	277.6	254.6	0.753
		RI- 178F			1956.6	1175.2	1078.1	1008.2	954.6	892.8	819.0	725.2	665.2	1.193
		RI- 200F			2120.6	1250.1	1146.7	1072.5	1015.4	949.6	871.1	771.3	707.6	1.558
		RI- 254F			6249.9	2728.0	2502.5	2340.4	2215.8	2072.4	1901.0	1683.3	1544.1	5.229
	330	RI- 50F	MS	1	12.3	11.9	11.5	10.7	10.2	9.5	8.7	7.7	7.1	0.004
		RI- 63F			23.9	23.2	22.2	20.8	19.7	18.4	16.9	15.0	13.7	0.008
		RI- 70F			55.3	43.2	39.6	37.0	35.1	32.8	30.1	26.6	24.4	0.009
		RI- 80F			124.9	95.4	87.5	81.8	77.5	72.5	66.5	58.8	54.0	0.022
		RI- 90F			136.7	104.9	96.2	90.0	85.2	79.7	73.1	64.7	59.4	0.050
		RI- 108F			262.4	173.0	158.7	148.5	140.6	131.5	120.6	106.8	97.9	0.109
		RI- 140F			463.7	198.5	182.0	170.3	161.2	150.8	138.3	122.5	112.3	0.243
		RI- 152F			1096.9	437.6	401.4	375.5	355.5	332.5	305.0	270.0	247.7	0.622
		RI- 178F			1956.6	1141.2	1046.9	979.1	927.0	867.0	795.3	704.2	646.0	0.986
		RI- 200F			2120.6	1216.4	1115.8	1043.6	988.0	924.1	847.7	750.6	688.5	1.287
		RI- 254F			6249.9	2653.3	2433.9	2276.3	2155.1	2015.6	1848.9	1637.2	1501.8	4.321
		16			90	RI- 63F	MS	1	15.6	15.1	15.1	15.1	15.1	15.1
RI- 70F	15.8		15.4	15.4		15.4			15.4	15.4	15.4	15.0	13.8	0.085
RI- 80F	30.7		29.7	29.7		29.7			29.7	29.7	29.7	29.4	27.0	0.196
RI- 90F	78.0		76.8	76.8		76.8			76.8	71.8	65.9	58.3	53.5	0.490
RI- 108F	89.7		87.2	87.2		87.2			87.2	81.5	74.8	66.2	60.8	1.037
RI- 140F	191.4		185.7	185.7		184.8			174.9	163.6	150.1	132.9	121.9	2.379
RI- 152F	602.8		411.4	377.4		353.0			334.2	312.6	286.7	253.9	232.9	6.050
RI- 178F	595.4		577.6	577.6		577.6			577.6	577.6	546.5	483.9	443.9	8.563
RI- 200F	628.5		609.6	609.6		609.6			609.6	603.5	553.6	490.2	449.7	11.303
RI- 254F	2650.6		1609.3	1476.3	1380.7	1307.2	1222.5	1121.5	993.0	910.9	36.272			
120	RI- 63F		MS	1	15.6	15.1	15.1	15.1	15.1	15.1	15.1	14.0	12.8	0.047
	RI- 70F				15.8	15.6	15.6	15.6	15.6	15.6	15.6	13.9	12.7	0.048
	RI- 80F				30.7	29.7	29.7	29.7	29.7	29.7	29.7	27.4	25.1	0.110
	RI- 90F				78.0	76.2	76.2	76.2	72.1	67.5	61.9	54.8	50.3	0.276
	RI- 108F				164.0	159.0	159.0	156.1	147.7	138.2	126.8	112.2	103.0	0.608
	RI- 140F				191.4	185.7	182.5	170.7	161.6	151.1	138.6	122.8	112.6	1.338
	RI- 152F				602.8	385.5	353.6	330.7	313.1	292.8	268.6	237.8	218.2	3.403
	RI- 178F				595.4	577.6	577.6	577.6	577.6	557.1	511.0	452.5	415.1	4.817
	RI- 200F	628.5			609.6	609.6	609.6	600.9	562.0	515.6	456.5	418.8	6.358	

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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	
16	120	RI- 254F	MS	1	2650.6	1508.2	1383.5	1293.9	1225.1	1145.7	1051.0	930.6	853.7	20.403
	150	RI- 63F	MS	1	15.6	15.1	15.1	15.1	15.1	15.1	14.8	13.1	12.0	0.030
		RI- 70F			15.8	15.4	15.4	15.4	15.4	15.4	14.7	13.0	11.9	0.031
		RI- 80F			30.7	29.7	29.7	29.7	29.7	29.7	29.1	25.8	23.6	0.071
		RI- 90F			78.0	76.6	76.6	71.6	67.8	63.4	58.2	51.5	47.3	0.177
		RI- 108F			164.0	159.0	156.5	146.4	138.6	129.6	118.9	105.3	96.6	0.389
		RI- 140F			191.4	186.9	171.5	160.4	151.8	142.0	130.3	115.3	105.8	0.856
		RI- 152F			602.8	363.5	333.4	311.8	295.2	276.1	253.3	224.3	205.7	2.178
		RI- 178F			595.4	593.5	593.5	593.5	561.9	525.5	482.1	426.9	391.6	3.083
		RI- 200F			628.5	609.6	609.6	596.4	564.7	528.1	484.5	429.0	393.5	4.069
	RI- 254F	2687.3	1965.1	1802.6	1685.9	1596.1	1492.8	1369.3	1212.5	1112.2	13.682			
	180	RI- 63F	MS	1	15.6	15.3	15.3	15.3	15.3	15.3	14.0	12.4	11.4	0.021
		RI- 70F			15.8	15.4	15.4	15.4	15.4	15.1	13.9	12.3	11.3	0.021
		RI- 80F			30.7	30.0	30.0	30.0	30.0	30.0	27.6	24.4	22.4	0.049
		RI- 90F			78.0	75.6	72.6	67.9	64.3	60.1	55.2	48.8	44.8	0.123
		RI- 108F			164.0	161.7	148.4	138.8	131.4	122.9	112.7	99.8	91.5	0.270
		RI- 140F			191.4	177.2	162.5	152.0	143.9	134.6	123.5	109.3	100.3	0.595
		RI- 152F			602.8	346.1	317.4	296.9	281.1	262.9	241.1	213.5	195.9	1.512
		RI- 178F			595.4	577.6	577.6	565.9	535.8	501.1	459.7	407.0	373.4	2.141
		RI- 200F			1425.1	681.3	624.9	584.5	553.3	517.5	474.7	420.4	385.6	2.901
	RI- 254F	2687.3	1872.0	1717.2	1606.0	1520.5	1422.1	1304.5	1155.1	1059.6	9.502			
	210	RI- 63F	MS	1	15.6	15.1	15.1	15.1	15.1	14.6	13.4	11.9	10.9	0.015
		RI- 70F			15.8	15.4	15.4	15.4	15.4	14.4	13.3	11.7	10.8	0.016
		RI- 80F			30.7	29.7	29.7	29.7	29.7	28.7	26.4	23.3	21.4	0.036
		RI- 90F			78.0	75.6	69.3	64.9	61.4	57.4	52.7	46.6	42.8	0.090
		RI- 108F			164.0	154.6	141.8	132.7	125.6	117.5	107.7	95.4	87.5	0.199
		RI- 140F			191.4	169.5	155.4	145.4	137.6	128.7	118.1	104.6	95.9	0.437
		RI- 152F			602.8	331.6	304.1	284.4	269.3	251.9	231.0	204.6	187.7	1.111
		RI- 178F			595.4	579.6	579.6	542.1	513.2	480.0	440.3	389.9	357.7	1.573
		RI- 200F			1425.1	652.6	598.7	559.9	530.1	495.8	454.8	402.7	369.4	2.131
	RI- 254F	2687.3	1791.1	1643.0	1536.6	1454.9	1360.7	1248.1	1105.2	1013.8	6.981			
	240	RI- 63F	MS	1	15.6	15.1	15.1	15.1	15.0	14.0	12.9	11.4	10.5	0.012
		RI- 70F			15.8	15.7	15.7	15.7	14.9	13.9	12.8	11.3	10.4	0.012
		RI- 80F			30.7	29.7	29.7	29.7	29.5	27.6	25.3	22.4	20.6	0.028
		RI- 90F			78.0	72.7	66.7	62.3	59.0	55.2	50.6	44.8	41.1	0.069
		RI- 108F			164.0	148.5	136.2	127.4	120.6	112.8	103.5	91.6	84.1	0.152

Notes

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- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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	
16	240	RI- 140F	MS	1	191.4	163.0	149.5	139.8	132.4	123.8	113.6	100.6	92.2	0.335
		RI- 152F			602.8	318.8	292.4	273.5	258.9	242.1	222.1	196.7	180.4	0.851
		RI- 178F			595.4	577.6	559.2	523.0	495.1	463.1	424.8	376.1	345.0	1.204
		RI- 200F			1425.1	628.4	576.4	539.1	510.4	477.4	437.9	387.7	355.7	1.632
		RI- 254F			2687.3	1726.4	1583.7	1481.1	1402.3	1311.5	1203.0	1065.3	977.2	5.345
	270	RI- 63F	MS	1	15.6	15.3	15.3	15.3	14.5	13.6	12.4	11.0	10.1	0.009
		RI- 70F			15.8	15.4	15.4	15.1	14.3	13.4	12.3	10.9	10.0	0.009
		RI- 80F			30.7	30.1	30.1	30.1	28.5	26.6	24.4	21.6	19.8	0.022
		RI- 90F			78.0	70.1	64.3	60.1	56.9	53.3	48.9	43.3	39.7	0.054
		RI- 108F			164.0	143.2	131.4	122.9	116.4	108.8	99.8	88.4	81.1	0.120
		RI- 140F			191.4	157.4	144.4	135.1	127.9	119.6	109.7	97.1	89.1	0.264
		RI- 152F			602.8	308.0	282.5	264.2	250.1	233.9	214.6	190.0	174.3	0.672
		RI- 178F			595.4	589.3	540.6	505.6	478.7	447.7	410.7	363.6	333.6	0.951
		RI- 200F			1425.1	607.8	557.5	521.4	493.6	461.7	423.5	375.0	344.0	1.289
	RI- 254F	2687.3	1668.1	1530.2	1431.1	1354.9	1267.2	1162.4	1029.3	944.2	4.223			
	300	RI- 63F	MS	1	15.6	15.1	15.1	14.8	14.1	13.1	12.1	10.7	9.8	0.007
		RI- 70F			15.8	15.7	15.7	14.7	13.9	13.0	11.9	10.6	9.7	0.008
		RI- 80F			30.7	29.7	29.7	29.2	27.6	25.8	23.7	21.0	19.2	0.018
		RI- 90F			78.0	67.9	62.3	58.3	55.2	51.6	47.3	41.9	38.4	0.044
		RI- 108F			164.0	138.8	127.3	119.1	112.7	105.4	96.7	85.6	78.6	0.097
		RI- 140F			191.4	152.5	139.9	130.8	123.9	115.8	106.3	94.1	86.3	0.214
		RI- 152F			602.8	298.8	274.1	256.3	242.7	227.0	208.2	184.4	169.1	0.544
		RI- 178F			595.4	571.6	524.4	490.4	464.3	434.2	398.3	352.7	323.6	0.771
		RI- 200F			1425.1	589.5	540.7	505.7	478.8	447.8	410.8	363.7	333.6	1.044
	RI- 254F	2687.3	1618.6	1484.7	1388.6	1314.7	1229.5	1127.9	998.7	916.1	3.421			
	330	RI- 63F	MS	1	15.6	15.4	15.4	14.4	13.6	12.8	11.7	10.4	9.5	0.006
		RI- 70F			15.8	15.4	15.2	14.3	13.5	12.6	11.6	10.3	9.4	0.006
		RI- 80F			30.7	30.3	30.3	28.3	26.8	25.1	23.0	20.4	18.7	0.015
RI- 90F		78.0			66.0	60.6	56.7	53.6	50.2	46.0	40.7	37.4	0.036	
RI- 108F		164.0			134.9	123.8	115.8	109.6	102.5	94.0	83.3	76.4	0.080	
RI- 140F		191.4			148.4	136.1	127.3	120.5	112.7	103.4	91.5	84.0	0.177	
RI- 152F		602.8			290.6	266.6	249.4	236.1	220.8	202.5	179.3	164.5	0.450	
RI- 178F		595.4			556.0	510.0	477.0	451.6	422.4	387.4	343.1	314.7	0.637	
RI- 200F		1425.1			573.3	525.9	491.8	465.7	435.5	399.5	353.7	324.5	0.863	
RI- 254F	2687.3	1572.9	1442.9	1349.5	1277.6	1194.9	1096.1	970.6	890.3	2.827				
90	RI- 50F	MS	2	11.7	11.3	11.3	11.3	11.3	10.6	9.7	8.6	7.9	0.153	

Notes

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- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
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RI Series (flange type)

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	
16	90	RI- 63F	MS	2	24.7	24.4	24.4	24.4	23.1	21.6	19.8	17.5	16.1	0.331
		RI- 70F			55.3	50.2	46.1	43.1	40.8	38.2	35.0	31.0	28.4	0.356
		RI- 80F			68.2	60.3	55.3	51.7	49.0	45.8	42.0	37.2	34.1	0.790
		RI- 90F			136.7	119.1	109.2	102.1	96.7	90.4	83.0	73.5	67.4	1.966
	120	RI- 50F	MS	2	18.5	17.9	17.9	17.9	17.9	16.7	15.3	13.6	12.5	0.088
		RI- 63F			52.8	47.9	44.0	41.1	38.9	36.4	33.4	29.6	27.1	0.194
		RI- 70F			100.3	89.9	82.5	77.2	73.0	68.3	62.7	55.5	50.9	0.218
		RI- 80F			124.9	109.5	100.4	93.9	88.9	83.2	76.3	67.5	62.0	0.473
		RI- 90F			216.1	165.1	151.5	141.7	134.1	125.4	115.1	101.9	93.5	1.143
	150	RI- 50F	MS	2	18.5	17.5	17.5	17.5	17.5	16.4	15.0	13.3	12.2	0.056
		RI- 63F			52.8	47.2	43.3	40.5	38.3	35.8	32.9	29.1	26.7	0.124
		RI- 70F			100.3	88.3	81.0	75.7	71.7	67.0	61.5	54.5	50.0	0.140
		RI- 80F			200.7	149.6	137.2	128.3	121.5	113.6	104.3	92.3	84.7	0.325
		RI- 90F			216.1	162.7	149.2	139.6	132.2	123.6	113.4	100.4	92.1	0.732
	180	RI- 50F	MS	2	18.5	17.9	17.9	17.8	16.9	15.8	14.5	12.8	11.8	0.039
		RI- 63F			52.8	45.8	42.0	39.3	37.2	34.8	31.9	28.3	25.9	0.086
		RI- 70F			100.3	85.6	78.5	73.4	69.5	65.0	59.7	52.8	48.5	0.097
		RI- 80F			200.7	146.0	133.9	125.2	118.6	110.9	101.7	90.1	82.6	0.225
		RI- 90F			324.6	176.3	161.7	151.3	143.2	133.9	122.9	108.8	99.8	0.524
	210	RI- 50F	MS	2	18.5	18.4	18.4	17.2	16.3	15.2	14.0	12.4	11.3	0.029
		RI- 63F			52.8	44.3	40.6	38.0	36.0	33.6	30.9	27.3	25.1	0.063
		RI- 70F			100.3	82.7	75.9	70.9	67.2	62.8	57.6	51.0	46.8	0.071
		RI- 80F			200.7	141.6	129.9	121.5	115.0	107.6	98.7	87.4	80.2	0.166
		RI- 90F			324.6	169.5	155.4	145.4	137.6	128.7	118.1	104.6	95.9	0.385
	240	RI- 50F	MS	2	18.5	17.9	17.8	16.6	15.7	14.7	13.5	11.9	11.0	0.022
		RI- 63F			52.8	42.8	39.3	36.7	34.8	32.5	29.8	26.4	24.2	0.048
		RI- 70F			100.3	79.9	73.3	68.6	64.9	60.7	55.7	49.3	45.2	0.055
		RI- 80F			200.7	137.3	125.9	117.8	111.5	104.3	95.6	84.7	77.7	0.127
RI- 90F		324.6			163.5	150.0	140.3	132.8	124.2	114.0	100.9	92.6	0.295	
270	RI- 50F	MS	2	18.5	17.9	17.2	16.0	15.2	14.2	13.0	11.5	10.6	0.017	
	RI- 63F			52.8	41.4	38.0	35.5	33.6	31.5	28.9	25.6	23.4	0.038	
	RI- 70F			100.3	77.3	70.9	66.3	62.8	58.7	53.8	47.7	43.7	0.043	
	RI- 80F			200.7	132.9	121.9	114.0	107.9	100.9	92.6	82.0	75.2	0.100	
	RI- 90F			324.6	157.9	144.8	135.5	128.2	119.9	110.0	97.4	89.4	0.233	
300	RI- 50F	MS	2	18.5	18.1	16.6	15.6	14.7	13.8	12.6	11.2	10.3	0.014	
	RI- 63F			52.8	40.2	36.9	34.5	32.7	30.5	28.0	24.8	22.8	0.031	

Notes

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RI Series (flange type)

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	
16	300	RI- 70F	MS	2	100.3	75.0	68.8	64.4	60.9	57.0	52.3	46.3	42.5	0.035
		RI- 80F			200.7	129.1	118.4	110.8	104.9	98.1	90.0	79.7	73.1	0.081
		RI- 90F			324.6	153.4	140.7	131.6	124.6	116.5	106.9	94.6	86.8	0.189
	330	RI- 50F	MS	2	18.5	17.6	16.2	15.1	14.3	13.4	12.3	10.9	10.0	0.012
		RI- 63F			52.8	39.1	35.9	33.6	31.8	29.7	27.3	24.1	22.1	0.026
		RI- 70F			100.3	73.0	66.9	62.6	59.3	55.4	50.9	45.0	41.3	0.029
		RI- 80F			200.7	125.7	115.3	107.8	102.1	95.5	87.6	77.6	71.1	0.067
RI- 90F	324.6	149.3	137.0	128.1	121.3	113.4	104.0	92.1	84.5	0.156				
20	90	RI- 50F	MS	2	11.7	11.6	11.6	11.6	11.6	11.6	10.6	9.4	8.6	0.123
		RI- 63F			52.8	51.3	47.1	44.1	41.7	39.0	35.8	31.7	29.1	0.280
		RI- 70F			55.3	55.0	50.4	47.2	44.6	41.8	38.3	33.9	31.1	0.290
		RI- 80F			68.2	65.9	60.5	56.6	53.5	50.1	45.9	40.7	37.3	0.640
		RI- 90F			136.7	130.3	119.6	111.8	105.9	99.0	90.8	80.4	73.8	1.595
		RI- 108F			262.4	214.4	196.6	183.9	174.1	162.8	149.4	132.3	121.3	3.467
		RI- 140F			372.1	361.0	361.0	361.0	355.0	332.0	304.6	269.7	247.4	8.068
		RI- 152F			483.7	469.2	469.2	459.8	435.3	407.1	373.4	330.7	303.3	19.390
		RI- 178F			1075.0	982.0	900.8	842.5	797.7	746.0	684.3	605.9	555.8	28.033
	RI- 200F	2049.2	1161.2	1065.2	996.2	943.2	882.1	809.2	716.5	657.3	37.665			
	RI- 254F	2687.3	1897.3	1740.4	1627.7	1541.1	1441.3	1322.1	1170.7	1073.9	114.459			
	120	RI- 50F	MS	2	11.7	11.4	11.4	11.4	11.4	11.4	10.4	9.2	8.5	0.069
		RI- 63F			52.8	51.8	47.6	44.5	42.1	39.4	36.1	32.0	29.3	0.158
		RI- 70F			55.3	54.9	50.4	47.1	44.6	41.7	38.3	33.9	31.1	0.163
		RI- 80F			124.9	118.8	109.0	101.9	96.5	90.2	82.8	73.3	67.2	0.388
		RI- 90F			136.7	131.2	120.3	112.5	106.6	99.7	91.4	80.9	74.2	0.897
		RI- 108F			262.4	216.7	198.8	186.0	176.1	164.7	151.0	133.7	122.7	1.950
		RI- 140F			372.1	361.0	361.0	357.2	338.2	316.3	290.1	256.9	235.7	4.538
		RI- 152F			865.3	811.5	744.4	696.2	659.1	616.4	565.5	500.7	459.3	11.568
		RI- 178F			1956.6	1374.7	1261.0	1179.4	1116.6	1044.3	958.0	848.2	778.1	17.183
RI- 200F	3347.2	2002.3	1836.7	1717.8	1626.4	1521.0	1395.3	1235.5	1133.3	24.885				
RI- 254F	6249.9	3451.9	3166.5	2961.5	2803.8	2622.3	2405.5	2130.0	1953.8	74.971				
150	RI- 50F	MS	2	11.7	11.3	11.3	11.3	11.3	10.9	10.0	8.9	8.2	0.044	
	RI- 63F			52.8	50.7	46.5	43.5	41.2	38.5	35.3	31.3	28.7	0.101	
	RI- 70F			55.3	53.2	48.8	45.6	43.2	40.4	37.0	32.8	30.1	0.104	
	RI- 80F			124.9	116.7	107.0	100.1	94.8	88.6	81.3	72.0	66.0	0.249	
	RI- 90F			136.7	128.1	117.5	109.9	104.0	97.3	89.2	79.0	72.5	0.574	
	RI- 108F			394.2	230.3	211.2	197.6	187.0	174.9	160.5	142.1	130.3	1.282	

Notes

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RI Series (flange type)

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	
20	150	RI- 140F	MS	2	372.1	361.0	361.0	337.6	319.6	298.9	274.2	242.8	222.7	2.904
		RI- 152F			1580.2	877.7	805.1	753.0	712.9	666.7	611.6	541.6	496.8	7.595
		RI- 178F			3089.8	1788.2	1640.4	1534.2	1452.5	1358.4	1246.1	1103.4	1012.2	12.289
		RI- 200F			3347.2	1985.9	1821.7	1703.7	1613.1	1508.6	1383.9	1225.4	1124.0	15.926
		RI- 254F			6249.9	3276.3	3005.4	2810.8	2661.2	2488.8	2283.1	2021.6	1854.4	47.981
	180	RI- 50F	MS	2	11.7	11.3	11.3	11.3	11.2	10.5	9.6	8.5	7.8	0.031
		RI- 63F			52.8	49.0	45.0	42.0	39.8	37.2	34.2	30.2	27.7	0.070
		RI- 70F			55.3	51.1	46.9	43.9	41.5	38.8	35.6	31.5	28.9	0.072
		RI- 80F			124.9	113.1	103.8	97.0	91.9	85.9	78.8	69.8	64.0	0.173
		RI- 90F			136.7	123.7	113.4	106.1	100.4	93.9	86.2	76.3	70.0	0.399
		RI- 108F			394.2	219.7	201.6	188.5	178.5	166.9	153.1	135.6	124.4	0.890
		RI- 140F			372.1	361.0	343.4	321.2	304.1	284.4	260.9	231.0	211.9	2.017
		RI- 152F			1580.2	839.0	769.6	719.8	681.5	637.3	584.6	517.7	474.9	5.274
		RI- 178F			3089.8	1756.2	1610.9	1506.6	1426.4	1334.1	1223.8	1083.6	994.0	8.534
		RI- 200F			4912.5	2651.0	2431.8	2274.3	2153.3	2013.8	1847.3	1635.7	1500.5	12.934
	RI- 254F	6249.9	3139.5	2879.9	2693.4	2550.1	2384.9	2187.7	1937.2	1777.0	33.320			
	210	RI- 50F	MS	2	11.7	11.4	11.4	11.4	10.7	10.1	9.2	8.2	7.5	0.023
		RI- 63F			52.8	47.2	43.3	40.5	38.4	35.9	32.9	29.1	26.7	0.051
		RI- 70F			55.3	49.2	45.1	42.2	39.9	37.4	34.3	30.3	27.8	0.053
		RI- 80F			124.9	109.3	100.2	93.7	88.8	83.0	76.1	67.4	61.8	0.127
		RI- 90F			136.7	119.2	109.3	102.2	96.8	90.5	83.0	73.5	67.5	0.293
		RI- 108F			394.2	210.5	193.1	180.6	171.0	159.9	146.7	129.9	119.1	0.654
		RI- 140F			372.1	358.0	328.4	307.1	290.8	272.0	249.5	220.9	202.6	1.482
		RI- 152F			1580.2	805.8	739.1	691.3	654.5	612.1	561.5	497.2	456.1	3.875
		RI- 178F			3089.8	1709.6	1568.2	1466.7	1388.6	1298.7	1191.3	1054.9	967.7	6.270
		RI- 200F			4912.5	2547.1	2336.5	2185.2	2068.9	1935.0	1775.0	1571.7	1441.7	9.502
	RI- 254F	7189.8	3132.8	2873.8	2687.7	2544.6	2379.9	2183.1	1933.0	1773.2	25.996			
	240	RI- 50F	MS	2	11.7	10.9	10.9	10.9	10.4	9.7	8.9	7.9	7.2	0.017
		RI- 63F			52.8	45.6	41.8	39.1	37.0	34.6	31.8	28.1	25.8	0.039
		RI- 70F			55.3	47.4	43.5	40.6	38.5	36.0	33.0	29.2	26.8	0.041
		RI- 80F			124.9	105.6	96.9	90.6	85.8	80.2	73.6	65.2	59.8	0.097
		RI- 90F			136.7	115.0	105.5	98.7	93.4	87.4	80.2	71.0	65.1	0.224
RI- 108F		394.2			202.9	186.1	174.0	164.8	154.1	141.4	125.2	114.8	0.501	
RI- 140F		372.1			344.6	316.1	295.7	279.9	261.8	240.2	212.7	195.1	1.135	
RI- 152F		1580.2			777.1	712.8	666.7	631.2	590.3	541.5	479.5	439.8	2.967	
RI- 178F	3089.8	1659.8	1522.6	1424.0	1348.2	1260.9	1156.6	1024.2	939.5	4.800				

Notes

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RI Series (flange type)

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
20	240	RI- 200F	MS	2	4912.5	2460.3	2256.9	2110.8	1998.4	1869.0	1714.5	1518.1	1392.6	7.275
		RI- 254F			7189.8	3019.5	2769.8	2590.5	2452.6	2293.8	2104.1	1863.1	1709.1	19.903
	270	RI- 50F	MS	2	11.7	11.3	11.3	10.6	10.0	9.3	8.6	7.6	7.0	0.014
		RI- 63F			52.8	44.0	40.4	37.8	35.8	33.5	30.7	27.2	24.9	0.031
		RI- 70F			55.3	45.7	42.0	39.2	37.2	34.8	31.9	28.2	25.9	0.032
		RI- 80F			124.9	102.1	93.7	87.6	82.9	77.6	71.2	63.0	57.8	0.077
		RI- 90F			136.7	111.2	102.0	95.4	90.3	84.5	77.5	68.6	62.9	0.177
		RI- 108F			394.2	195.7	179.6	167.9	159.0	148.7	136.4	120.8	110.8	0.396
		RI- 140F			372.1	332.6	305.1	285.4	270.2	252.7	231.8	205.2	188.3	0.896
		RI- 152F			1580.2	750.9	688.8	644.2	609.9	570.4	523.3	463.3	425.0	2.344
		RI- 178F			3089.8	1608.9	1475.9	1380.3	1306.8	1222.2	1121.1	992.7	910.7	3.793
		RI- 200F			4912.5	2377.4	2180.9	2039.6	1931.1	1806.0	1656.7	1467.0	1345.7	5.748
	RI- 254F	7189.8	2919.7	2678.3	2504.9	2371.6	2218.0	2034.6	1801.6	1652.6	15.726			
	300	RI- 50F	MS	2	11.7	11.3	10.9	10.2	9.7	9.1	8.3	7.4	6.8	0.011
		RI- 63F			52.8	42.8	39.2	36.7	34.7	32.5	29.8	26.4	24.2	0.025
		RI- 70F			55.3	44.4	40.7	38.1	36.1	33.7	30.9	27.4	25.1	0.026
		RI- 80F			124.9	99.2	91.0	85.1	80.5	75.3	69.1	61.2	56.1	0.062
		RI- 90F			136.7	107.9	99.0	92.6	87.6	82.0	75.2	66.6	61.1	0.144
		RI- 108F			394.2	190.0	174.3	163.0	154.3	144.3	132.4	117.2	107.5	0.320
		RI- 140F			372.1	322.6	295.9	276.8	262.0	245.1	224.8	199.1	182.6	0.726
		RI- 152F			1580.2	729.0	668.7	625.4	592.1	553.8	508.0	449.8	412.6	1.899
		RI- 178F			3089.8	1564.3	1435.0	1342.1	1270.6	1188.4	1090.1	965.2	885.4	3.072
		RI- 200F			4912.5	2308.0	2117.1	1980.1	1874.7	1753.3	1608.3	1424.1	1306.4	4.656
	RI- 254F	7189.8	2833.1	2598.8	2430.6	2301.2	2152.2	1974.2	1748.1	1603.6	12.738			
	330	RI- 50F	MS	2	11.7	11.6	10.6	10.0	9.4	8.8	8.1	7.2	6.6	0.009
		RI- 63F			52.8	41.6	38.1	35.7	33.8	31.6	29.0	25.6	23.5	0.021
		RI- 70F			55.3	43.1	39.6	37.0	35.0	32.8	30.1	26.6	24.4	0.022
		RI- 80F			124.9	96.5	88.5	82.8	78.4	73.3	67.2	59.5	54.6	0.051
		RI- 90F			136.7	104.9	96.3	90.0	85.2	79.7	73.1	64.8	59.4	0.119
		RI- 108F			394.2	184.7	169.5	158.5	150.1	140.3	128.7	114.0	104.6	0.265
RI- 140F		372.1			313.5	287.6	269.0	254.6	238.2	218.5	193.4	177.4	0.600	
RI- 152F		1580.2			709.4	650.8	608.6	576.2	538.9	494.4	437.8	401.6	1.569	
RI- 178F		3089.8			1522.9	1396.9	1306.5	1236.9	1156.9	1061.2	939.7	862.0	2.539	
RI- 200F		4912.5			2248.2	2062.3	1928.8	1826.1	1707.9	1566.6	1387.2	1272.5	3.848	
RI- 254F	7189.8	2758.7	2530.6	2366.7	2240.7	2095.7	1922.4	1702.2	1561.5	10.527				
24	90	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.101

Notes

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RI Series (flange type)

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	
24	90	RI- 63F	MS	2	23.9	23.2	23.2	23.2	23.2	23.2	22.9	20.3	18.6	0.224
		RI- 70F			24.5	23.8	23.8	23.8	23.8	23.8	21.0	19.3	0.231	
		RI- 80F			68.2	66.2	65.4	61.2	57.9	54.2	49.7	44.0	40.4	0.540
		RI- 90F			75.4	73.1	72.5	67.8	64.2	60.0	55.0	48.7	44.7	1.287
		RI- 108F			164.0	159.0	154.7	144.7	137.0	128.1	117.6	104.1	95.5	2.830
		RI- 140F			308.7	279.6	256.5	239.9	227.1	212.4	194.8	172.5	158.2	6.417
		RI- 152F			483.7	469.2	469.2	469.2	466.4	436.2	400.1	354.3	325.0	16.380
		RI- 178F			595.4	577.6	577.6	577.6	568.2	531.4	487.4	431.6	395.9	22.164
		RI- 200F			1122.1	1088.4	1039.7	972.4	920.6	861.0	789.8	699.4	641.5	31.348
	RI- 254F	2687.3	2057.3	1887.2	1765.0	1671.1	1562.9	1433.6	1269.4	1164.5	97.372			
	120	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.057
		RI- 63F			23.9	23.2	23.2	23.2	23.2	23.2	22.6	20.0	18.3	0.126
		RI- 70F			24.5	23.7	23.7	23.7	23.7	23.7	23.0	20.4	18.7	0.130
		RI- 80F			68.2	66.2	65.0	60.8	57.6	53.9	49.4	43.7	40.1	0.304
		RI- 90F			75.4	73.1	71.8	67.1	63.5	59.4	54.5	48.3	44.3	0.724
		RI- 108F			164.0	159.0	153.2	143.3	135.7	126.9	116.4	103.1	94.6	1.592
		RI- 140F			308.7	265.5	243.5	227.7	215.6	201.7	185.0	163.8	150.3	3.610
		RI- 152F			483.7	473.0	473.0	473.0	473.0	442.3	405.8	359.3	329.6	9.214
		RI- 178F			1075.0	1064.5	976.5	913.3	864.6	808.7	741.8	656.8	602.5	13.502
	RI- 200F	2120.6	1617.5	1483.8	1387.7	1313.9	1228.8	1127.2	998.1	915.6	19.473			
	RI- 254F	4260.1	2686.9	2464.7	2305.1	2182.4	2041.1	1872.4	1657.9	1520.8	58.617			
	150	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.036
		RI- 63F			23.9	23.7	23.7	23.7	23.7	23.7	21.7	19.2	17.6	0.081
		RI- 70F			24.5	23.9	23.9	23.9	23.9	23.9	21.9	19.4	17.8	0.083
		RI- 80F			68.2	66.2	63.1	59.0	55.9	52.3	47.9	42.4	38.9	0.194
		RI- 90F			75.4	75.4	69.1	64.6	61.2	57.2	52.5	46.5	42.6	0.463
		RI- 108F			262.4	224.5	205.9	192.6	182.4	170.5	156.4	138.5	127.1	1.056
		RI- 140F			463.7	261.2	239.6	224.1	212.2	198.4	182.0	161.2	147.8	2.357
		RI- 152F			1096.9	571.3	524.1	490.2	464.1	434.0	398.1	352.5	323.4	6.025
		RI- 178F			1963.2	1128.0	1034.7	967.7	916.2	856.9	786.0	696.0	638.5	8.934
	RI- 200F	2120.6	1595.7	1463.8	1369.0	1296.1	1212.2	1112.0	984.6	903.2	12.463			
	RI- 254F	4260.1	2542.8	2332.6	2181.6	2065.4	1931.7	1772.0	1569.0	1439.3	37.515			
	180	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.025
		RI- 63F			23.9	23.2	23.2	23.2	23.2	22.7	20.8	18.4	16.9	0.056
		RI- 70F			24.5	24.4	24.4	24.4	24.4	22.8	20.9	18.5	17.0	0.058
		RI- 80F			68.2	66.0	60.6	56.7	53.6	50.2	46.0	40.8	37.4	0.135

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RI Series (flange type)

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			
24	180	RI- 90F	MS	2	75.4	72.2	66.2	61.9	58.6	54.8	50.3	44.5	40.8	0.322		
		RI- 108F			262.4	216.0	198.1	185.3	175.4	164.1	150.5	133.3	122.2	0.733		
		RI- 140F			463.7	248.5	228.0	213.2	201.9	188.8	173.2	153.3	140.7	1.637		
		RI- 152F			1096.9	545.4	500.3	467.9	443.0	414.3	380.1	336.5	308.7	4.184		
		RI- 178F			1956.6	1412.6	1295.8	1211.9	1147.4	1073.1	984.3	871.6	799.5	6.629		
		RI- 200F			2120.6	1521.2	1395.4	1305.1	1235.6	1155.6	1060.0	938.6	861.0	8.655		
		RI- 254F			4260.1	2429.6	2228.7	2084.4	1973.5	1845.7	1693.1	1499.2	1375.2	26.052		
	210	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.019	
		RI- 63F			23.9	23.3	23.3	23.3	23.3	21.8	20.0	17.7	16.2	0.041		
		RI- 70F			24.5	23.7	23.7	23.7	23.3	21.8	20.0	17.7	16.3	0.042		
		RI- 80F			68.2	63.5	58.3	54.5	51.6	48.3	44.3	39.2	36.0	0.099		
		RI- 90F			75.4	69.3	63.6	59.4	56.3	52.6	48.3	42.8	39.2	0.236		
		RI- 108F			262.4	207.7	190.6	178.2	168.7	157.8	144.8	128.2	117.6	0.539		
		RI- 140F			463.7	237.5	217.9	203.8	192.9	180.4	165.5	146.5	134.4	1.202		
		RI- 152F			1096.9	523.0	479.8	448.7	424.8	397.3	364.5	322.7	296.0	3.074		
		RI- 178F			1956.6	1370.0	1256.8	1175.4	1112.8	1040.8	954.7	845.4	775.5	4.870		
		RI- 200F			2120.6	1458.4	1337.9	1251.2	1184.6	1107.9	1016.3	899.9	825.5	6.358		
	RI- 254F	4260.1	2327.8	2135.3	1997.0	1890.7	1768.3	1622.1	1436.3	1317.6	19.140					
	240	RI- 50F	MS	2	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.014	
		RI- 63F			23.9	23.7	23.7	23.7	22.4	21.0	19.2	17.0	15.6	0.032		
		RI- 70F			24.5	23.7	23.7	23.7	22.5	21.0	19.3	17.1	15.6	0.032		
		RI- 80F			68.2	61.3	56.2	52.6	49.8	46.5	42.7	37.8	34.7	0.076		
		RI- 90F			75.4	66.8	61.3	57.3	54.2	50.7	46.5	41.2	37.8	0.181		
		RI- 108F			262.4	200.5	183.9	172.0	162.8	152.3	139.7	123.7	113.5	0.412		
		RI- 140F			463.7	228.3	209.4	195.8	185.4	173.4	159.1	140.9	129.2	0.921		
		RI- 152F			1096.9	503.9	462.2	432.3	409.3	382.8	351.1	310.9	285.2	2.354		
		RI- 178F			1956.6	1326.9	1217.2	1138.4	1077.8	1008.0	924.7	818.8	751.1	3.729		
		RI- 200F			2120.6	1404.9	1288.7	1205.3	1141.1	1067.2	979.0	866.8	795.2	4.868		
		RI- 254F			6249.9	3091.8	2836.2	2652.5	2511.3	2348.7	2154.5	1907.8	1750.0	16.340		
		270			RI- 50F	MS	2	11.7	11.3	11.3	11.2	10.6	9.9	9.1	8.0	7.4
RI- 63F					23.9			23.2	23.2	22.9	21.6	20.2	18.6	16.4	15.1	0.025
RI- 70F	24.5		22.9	22.9	22.9			21.7	20.3	18.6	16.5	15.1	0.026			
RI- 80F	68.2		59.1	54.2	50.7			48.0	44.9	41.2	36.5	33.5	0.060			
RI- 90F	75.4		64.5	59.1	55.3			52.4	49.0	44.9	39.8	36.5	0.143			
RI- 108F	262.4		193.6	177.6	166.1			157.2	147.0	134.9	119.4	109.6	0.326			
RI- 140F	463.7		220.3	202.1	189.0			178.9	167.4	153.5	135.9	124.7	0.727			

Notes

- Dynamic torque is calculated by a target of 10,000 hour service life in normal condition of all driving layout, rigidity, with or without backlash.
- Static torque suggests its torque allowable limit value applied to the output shaft of MYDEX.
- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.

RI Series (flange type)

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
24	270	RI- 152F	MS	2	1096.9	486.1	445.9	417.0	394.8	369.2	338.7	299.9	275.1	1.860
		RI- 178F			1956.6	1284.6	1178.4	1102.1	1043.4	975.9	895.2	792.7	727.1	2.946
		RI- 200F			2120.6	1356.4	1244.2	1163.6	1101.7	1030.4	945.2	836.9	767.7	3.846
		RI- 254F			6249.9	2987.9	2740.8	2563.3	2426.9	2269.7	2082.1	1843.6	1691.2	12.910
	300	MS	2	RI- 50F	11.7	11.6	11.6	10.8	10.2	9.6	8.8	7.8	7.1	0.009
				RI- 63F	23.9	23.7	23.7	22.2	21.0	19.6	18.0	15.9	14.6	0.020
				RI- 70F	24.5	23.7	23.7	22.2	21.0	19.6	18.0	16.0	14.6	0.021
				RI- 80F	68.2	57.3	52.6	49.2	46.6	43.6	40.0	35.4	32.5	0.049
				RI- 90F	75.4	62.5	57.4	53.6	50.8	47.5	43.6	38.6	35.4	0.116
				RI- 108F	262.4	187.7	172.2	161.0	152.5	142.6	130.8	115.8	106.3	0.264
				RI- 140F	463.7	213.5	195.8	183.1	173.4	162.2	148.8	131.7	120.8	0.589
				RI- 152F	1096.9	471.7	432.7	404.7	383.1	358.3	328.7	291.0	267.0	1.506
				RI- 178F	1956.6	1247.7	1144.5	1070.4	1013.4	947.8	869.4	769.9	706.2	2.387
				RI- 200F	2120.6	1315.9	1207.1	1129.0	1068.9	999.7	917.0	812.0	744.8	3.116
	RI- 254F	6249.9	2898.0	2658.4	2486.3	2353.9	2201.5	2019.5	1788.2	1640.3	10.457			
	330	MS	2	RI- 50F	11.7	11.3	11.2	10.5	10.0	9.3	8.5	7.6	6.9	0.008
				RI- 63F	23.9	23.2	23.1	21.6	20.4	19.1	17.5	15.5	14.2	0.017
				RI- 70F	24.5	23.7	23.1	21.6	20.4	19.1	17.5	15.5	14.2	0.017
				RI- 80F	68.2	55.7	51.1	47.8	45.3	42.3	38.8	34.4	31.5	0.040
				RI- 90F	75.4	60.8	55.7	52.1	49.3	46.2	42.3	37.5	34.4	0.096
				RI- 108F	262.4	182.5	167.4	156.6	148.3	138.7	127.2	112.6	103.3	0.218
				RI- 140F	463.7	207.6	190.5	178.1	168.7	157.7	144.7	128.1	117.5	0.487
				RI- 152F	1096.9	458.9	421.0	393.7	372.8	348.6	319.8	283.2	259.8	1.245
				RI- 178F	1956.6	1214.2	1113.8	1041.7	986.2	922.4	846.1	749.2	687.2	1.972
RI- 200F				2120.6	1281.2	1175.3	1099.2	1040.7	973.3	892.8	790.6	725.2	2.575	
RI- 254F	6249.9	2818.5	2585.4	2418.0	2289.3	2141.1	1964.0	1739.1	1595.3	8.643				

Notes

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- Inertia torque self-consumed is a inertia torque from a self inertia of its MYDEX output shaft when the input shaft revolution is 100rpm.