RI Series (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
2	180	RI- 32S	MCV 50	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.5	0.006
		RI- 40S			9.3	8.1	7.4	6.9	6.6	6.1	5.6	5.0	4.6	0.027
		RI- 50S			19.4	16.2	14.8	13.9	13.1	12.3	11.3	10.0	9.2	0.083
		RI- 63S			52.8	33.8	31.0	29.0	27.4	25.6	23.5	20.8	19.1	0.246
		RI- 70S			57.6	36.9	33.9	31.7	30.0	28.1	25.7	22.8	20.9	0.273
		RI- 80S			124.9	76.4	70.1	65.5	62.1	58.0	53.2	47.1	43.2	0.665
		RI- 108S			394.2	142.3	130.5	122.1	115.6	108.1	99.1	87.8	80.5	2.094
	210	RI- 32S	MCV 33	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.5	0.004
		RI- 40S			9.3	8.0	7.4	6.9	6.5	6.1	5.6	5.0	4.5	0.017
		RI- 50S			19.4	16.2	14.9	13.9	13.2	12.3	11.3	10.0	9.2	0.050
		RI- 63S			52.8	33.9	31.1	29.1	27.5	25.8	23.6	20.9	19.2	0.149
		RI- 70S			57.6	37.1	34.0	31.8	30.1	28.1	25.8	22.9	21.0	0.165
		RI- 80S			124.9	77.1	70.7	66.2	62.6	58.6	53.7	47.6	43.7	0.402
		RI- 108S			394.2	141.0	129.3	120.9	114.5	107.1	98.2	87.0	79.8	1.267
	240	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	0.003
		RI- 40S			9.3	7.9	7.2	6.8	6.4	6.0	5.5	4.9	4.5	0.011
		RI- 50S			19.4	16.1	14.8	13.8	13.1	12.2	11.2	9.9	9.1	0.032
		RI- 63S			52.8	33.6	30.9	28.9	27.3	25.6	23.4	20.8	19.0	0.095
		RI- 70S			105.7	65.5	60.0	56.2	53.2	49.7	45.6	40.4	37.0	0.114
		RI- 80S			124.9	76.6	70.3	65.7	62.2	58.2	53.4	47.3	43.3	0.258
		RI- 108S			394.2	138.3	126.9	118.6	112.3	105.1	96.4	85.3	78.3	0.813
	270	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	0.002
		RI- 40S			9.3	7.8	7.1	6.7	6.3	5.9	5.4	4.8	4.4	0.008
		RI- 50S			19.4	16.0	14.7	13.7	13.0	12.1	11.1	9.9	9.0	0.026
		RI- 63S			52.8	33.4	30.6	28.7	27.1	25.4	23.3	20.6	18.9	0.075
		RI- 70S			105.7	65.2	59.8	56.0	53.0	49.6	45.5	40.3	36.9	0.090
		RI- 80S			200.7	105.9	97.1	90.8	86.0	80.4	73.8	65.3	59.9	0.214
		RI- 108S			316.6	214.0	196.3	183.6	173.9	162.6	149.2	132.1	121.1	0.680
	300	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.4	0.002
		RI- 40S			9.3	7.6	7.0	6.5	6.2	5.8	5.3	4.7	4.3	0.007
		RI- 50S			19.4	15.8	14.5	13.5	12.8	12.0	11.0	9.7	8.9	0.021
		RI- 63S			52.8	33.0	30.3	28.3	26.8	25.1	23.0	20.4	18.7	0.061
		RI- 70S			170.2	89.0	81.6	76.3	72.3	67.6	62.0	54.9	50.3	0.079
		RI- 80S			200.7	105.2	96.5	90.3	85.5	79.9	73.3	64.9	59.5	0.173
		RI- 108S			718.0	217.8	199.8	186.9	176.9	165.5	151.8	134.4	123.3	0.572
	330	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.4	0.001

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
2	330	RI- 40S	MS	1	9.3	7.5	6.8	6.4	6.1	5.7	5.2	4.6	4.2	0.006
		RI- 50S			19.4	15.5	14.2	13.3	12.6	11.8	10.8	9.6	8.8	0.017
		RI- 63S			52.8	32.4	29.8	27.8	26.3	24.6	22.6	20.0	18.4	0.050
		RI- 70S			170.2	87.6	80.3	75.1	71.1	66.5	61.0	54.0	49.6	0.065
		RI- 80S			200.7	103.8	95.2	89.0	84.3	78.8	72.3	64.0	58.7	0.143
		RI- 108S			718.0	214.7	196.9	184.2	174.4	163.1	149.6	132.5	121.5	0.473
3	180	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.003
		RI- 40S			9.3	9.0	8.3	7.7	7.3	6.8	6.3	5.5	5.1	0.013
		RI- 50S			19.4	18.3	16.8	15.7	14.9	13.9	12.8	11.3	10.4	0.038
		RI- 63S			52.8	38.3	35.1	32.8	31.1	29.1	26.7	23.6	21.7	0.113
		RI- 70S			105.7	74.5	68.3	63.9	60.5	56.6	51.9	46.0	42.2	0.135
		RI- 80S			301.5	127.0	116.5	109.0	103.2	96.5	88.5	78.4	71.9	0.335
		RI- 108S			316.6	246.9	226.4	211.8	200.5	187.5	172.0	152.3	139.7	1.020
	210	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	8.8	8.1	7.6	7.2	6.7	6.2	5.5	5.0	0.009
		RI- 50S			19.4	18.2	16.7	15.6	14.8	13.8	12.7	11.2	10.3	0.028
		RI- 63S			52.8	38.0	34.9	32.6	30.9	28.9	26.5	23.5	21.5	0.083
		RI- 70S			105.7	74.2	68.1	63.7	60.3	56.4	51.7	45.8	42.0	0.099
		RI- 80S			301.5	125.5	115.1	107.7	102.0	95.4	87.5	77.5	71.0	0.246
		RI- 108S			316.6	243.4	223.3	208.8	197.7	184.9	169.6	150.2	137.8	0.749
	240	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	8.6	7.9	7.4	7.0	6.5	6.0	5.3	4.9	0.007
		RI- 50S			19.4	17.9	16.4	15.3	14.5	13.6	12.4	11.0	10.1	0.022
		RI- 63S			52.8	37.4	34.3	32.1	30.4	28.4	26.1	23.1	21.2	0.064
		RI- 70S			105.7	73.2	67.1	62.8	59.4	55.6	51.0	45.2	41.4	0.076
		RI- 80S			301.5	123.8	113.6	106.2	100.5	94.0	86.3	76.4	70.1	0.188
		RI- 108S			566.1	382.9	351.3	328.5	311.0	290.9	266.9	236.3	216.8	0.646
	270	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	8.4	7.7	7.2	6.8	6.4	5.8	5.2	4.7	0.006
		RI- 50S			41.7	29.0	26.6	24.9	23.5	22.0	20.2	17.9	16.4	0.018
		RI- 63S			52.8	36.5	33.5	31.3	29.6	27.7	25.4	22.5	20.7	0.050
		RI- 70S			170.2	98.3	90.2	84.3	79.8	74.7	68.5	60.6	55.6	0.065
		RI- 80S			301.5	121.7	111.6	104.4	98.9	92.5	84.8	75.1	68.9	0.149
		RI- 108S			566.1	376.8	345.7	323.3	306.1	286.2	262.6	232.5	213.3	0.511
	300	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	0.001
		RI- 40S			9.3	8.1	7.5	7.0	6.6	6.2	5.7	5.0	4.6	0.005

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
3	300	RI- 50S	MS	1	41.7	28.2	25.8	24.2	22.9	21.4	19.6	17.4	15.9	0.014
		RI- 63S			52.8	35.6	32.7	30.6	28.9	27.1	24.8	22.0	20.2	0.041
		RI- 70S			170.2	95.7	87.8	82.1	77.7	72.7	66.7	59.0	54.2	0.053
		RI- 80S			301.5	119.8	109.9	102.8	97.3	91.0	83.5	73.9	67.8	0.121
		RI- 108S			566.1	369.9	339.4	317.4	300.5	281.0	257.8	228.3	209.4	0.414
	330	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.5	0.001
		RI- 40S			9.3	7.9	7.3	6.8	6.4	6.0	5.5	4.9	4.5	0.004
		RI- 50S			41.7	27.4	25.2	23.5	22.3	20.8	19.1	16.9	15.5	0.012
		RI- 63S			52.8	34.7	31.8	29.8	28.2	26.4	24.2	21.4	19.7	0.034
		RI- 70S			170.2	93.1	85.4	79.9	75.6	70.7	64.9	57.5	52.7	0.043
		RI- 80S			301.5	117.7	108.0	101.0	95.6	89.4	82.0	72.6	66.6	0.100
		RI- 108S			566.1	359.6	329.8	308.5	292.1	273.2	250.6	221.9	203.5	0.342
4	120	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.021
		RI- 50S			12.3	11.4	11.4	11.4	10.8	10.1	9.3	8.2	7.5	0.064
		RI- 63S			23.5	23.3	23.3	21.8	20.6	19.3	17.7	15.7	14.4	0.187
		RI- 70S			57.6	47.6	43.6	40.8	38.6	36.1	33.1	29.3	26.9	0.216
		RI- 80S			68.2	55.2	50.7	47.4	44.9	42.0	38.5	34.1	31.3	0.500
		RI- 108S			262.4	179.1	164.3	153.7	145.5	136.1	124.8	110.5	101.4	1.622
	150	RI- 40S	MS	1	9.3	9.1	9.1	8.9	8.4	7.8	7.2	6.4	5.8	0.014
		RI- 50S			12.3	12.2	12.2	11.4	10.8	10.1	9.3	8.2	7.5	0.041
		RI- 63S			52.8	44.2	40.5	37.9	35.9	33.6	30.8	27.3	25.0	0.124
		RI- 70S			57.6	48.2	44.2	41.3	39.1	36.6	33.6	29.7	27.3	0.138
		RI- 80S			124.9	100.6	92.3	86.3	81.7	76.4	70.1	62.1	56.9	0.338
		RI- 108S			262.4	176.3	161.7	151.2	143.2	133.9	122.8	108.8	99.8	1.038
	180	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	9.2	9.2	8.6	8.2	7.6	7.0	6.2	5.7	0.010
		RI- 50S			12.3	12.0	12.0	11.2	10.6	9.9	9.1	8.1	7.4	0.028
		RI- 63S			52.8	43.6	40.0	37.4	35.5	33.2	30.4	26.9	24.7	0.086
		RI- 70S			57.6	47.5	43.5	40.7	38.6	36.1	33.1	29.3	26.9	0.096
		RI- 80S			124.9	100.0	91.7	85.8	81.2	76.0	69.7	61.7	56.6	0.235
		RI- 108S			394.2	179.1	164.3	153.6	145.4	136.0	124.8	110.5	101.4	0.744
	210	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	9.1	8.9	8.3	7.9	7.4	6.8	6.0	5.5	0.007
		RI- 50S			12.3	11.9	11.6	10.9	10.3	9.6	8.8	7.8	7.2	0.021
		RI- 63S			52.8	42.4	38.9	36.4	34.4	32.2	29.6	26.2	24.0	0.063
		RI- 70S			57.6	46.0	42.2	39.5	37.4	34.9	32.1	28.4	26.0	0.070

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
4	210	RI- 80S	MS	1	124.9	97.8	89.7	83.9	79.4	74.3	68.1	60.3	55.3	0.173
		RI- 108S			316.6	274.3	251.6	235.3	222.8	208.4	191.1	169.2	155.3	0.589
	240	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.6	8.0	7.6	7.1	6.5	5.8	5.3	0.005
		RI- 50S			19.4	18.9	18.0	16.8	15.9	14.9	13.7	12.1	11.1	0.016
		RI- 63S			52.8	41.1	37.7	35.3	33.4	31.2	28.7	25.4	23.3	0.049
		RI- 70S			57.6	44.6	40.9	38.2	36.2	33.9	31.1	27.5	25.2	0.054
		RI- 80S			200.7	131.1	120.3	112.5	106.5	99.6	91.4	80.9	74.2	0.141
		RI- 108S			316.6	267.9	245.8	229.9	217.6	203.5	186.7	165.3	151.7	0.451
	270	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.3	7.8	7.4	6.9	6.3	5.6	5.1	0.004
		RI- 50S			19.4	19.0	17.4	16.3	15.4	14.4	13.2	11.7	10.8	0.013
		RI- 63S			52.8	39.8	36.5	34.2	32.4	30.3	27.8	24.6	22.6	0.038
		RI- 70S			105.7	77.4	71.0	66.4	62.9	58.8	53.9	47.8	43.8	0.047
		RI- 80S			200.7	126.9	116.4	108.9	103.1	96.4	88.4	78.3	71.8	0.111
		RI- 108S			316.6	261.9	240.2	224.7	212.7	199.0	182.5	161.6	148.2	0.356
	300	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	8.8	8.1	7.5	7.1	6.7	6.1	5.4	5.0	0.003
		RI- 50S			19.4	18.4	16.9	15.8	15.0	14.0	12.9	11.4	10.4	0.010
		RI- 63S			52.8	38.6	35.4	33.1	31.4	29.3	26.9	23.8	21.9	0.031
		RI- 70S			105.7	75.0	68.8	64.4	60.9	57.0	52.3	46.3	42.5	0.038
		RI- 80S			200.7	122.8	112.7	105.4	99.8	93.3	85.6	75.8	69.5	0.090
		RI- 108S			316.6	256.3	235.1	219.9	208.2	194.7	178.6	158.2	145.1	0.288
	330	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	8.5	7.8	7.3	6.9	6.5	5.9	5.3	4.8	0.003
		RI- 50S			19.4	17.9	16.4	15.4	14.5	13.6	12.5	11.0	10.1	0.009
		RI- 63S			52.8	37.5	34.4	32.2	30.5	28.5	26.2	23.2	21.3	0.026
		RI- 70S			105.7	72.9	66.9	62.5	59.2	55.4	50.8	45.0	41.3	0.031
		RI- 80S			200.7	119.3	109.4	102.4	96.9	90.6	83.1	73.6	67.5	0.074
		RI- 108S			316.6	250.7	229.9	215.0	203.6	190.4	174.7	154.7	141.9	0.238
5	120	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.0	14.0	12.8	11.4	10.4	0.148
		RI- 70S			25.5	24.7	24.7	24.7	24.7	23.1	21.2	18.8	17.2	0.167
		RI- 80S			32.4	32.1	32.1	32.1	30.4	28.4	26.1	23.1	21.2	0.393
		RI- 108S			164.0	145.8	133.7	125.1	118.4	110.7	101.6	89.9	82.5	1.269
	150	RI- 63S	MS	1	15.6	15.4	15.4	15.4	14.6	13.6	12.5	11.1	10.1	0.095
		RI- 70S			25.5	25.4	25.4	25.4	24.1	22.5	20.6	18.3	16.8	0.107

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
5	150	RI- 80S	MS	1	68.2	61.9	56.7	53.1	50.2	47.0	43.1	38.2	35.0	0.259
		RI- 108S			164.0	141.7	130.0	121.6	115.1	107.6	98.7	87.4	80.2	0.812
	180	RI- 63S	MS	1	15.6	15.1	15.1	14.9	14.1	13.2	12.1	10.7	9.8	0.066
		RI- 70S			57.6	50.9	46.7	43.7	41.4	38.7	35.5	31.4	28.8	0.078
		RI- 80S			68.2	60.1	55.1	51.5	48.8	45.6	41.9	37.1	34.0	0.180
		RI- 108S			164.0	137.6	126.2	118.1	111.8	104.5	95.9	84.9	77.9	0.564
	210	RI- 50S	MS	1	12.3	11.9	11.9	11.6	11.0	10.3	9.4	8.3	7.7	0.017
		RI- 63S			23.5	22.8	22.8	22.0	20.9	19.5	17.9	15.9	14.5	0.049
		RI- 70S			57.6	49.2	45.1	42.2	40.0	37.4	34.3	30.4	27.8	0.057
		RI- 80S			68.2	57.9	53.1	49.7	47.0	44.0	40.4	35.7	32.8	0.132
		RI- 108S			262.4	182.9	167.8	156.9	148.5	138.9	127.4	112.8	103.5	0.433
	240	RI- 50S	MS	1	12.3	12.0	12.0	11.2	10.6	9.9	9.1	8.1	7.4	0.013
		RI- 63S			23.5	22.8	22.7	21.3	20.1	18.8	17.3	15.3	14.0	0.038
		RI- 70S			57.6	47.4	43.5	40.7	38.5	36.0	33.0	29.3	26.8	0.044
		RI- 80S			68.2	56.0	51.3	48.0	45.5	42.5	39.0	34.5	31.7	0.101
		RI- 108S			262.4	177.9	163.1	152.6	144.5	135.1	123.9	109.7	100.7	0.332
	270	RI- 50S	MS	1	12.3	11.9	11.6	10.8	10.2	9.6	8.8	7.8	7.1	0.010
		RI- 63S			23.5	22.8	22.0	20.6	19.5	18.2	16.7	14.8	13.6	0.030
		RI- 70S			57.6	45.7	42.0	39.2	37.2	34.8	31.9	28.2	25.9	0.035
		RI- 80S			68.2	54.2	49.7	46.5	44.0	41.1	37.7	33.4	30.7	0.080
		RI- 108S			394.2	179.9	165.0	154.4	146.1	136.7	125.4	111.0	101.8	0.272
	300	RI- 50S	MS	1	12.3	12.2	11.2	10.5	9.9	9.3	8.5	7.5	6.9	0.008
		RI- 63S			23.5	23.2	21.3	19.9	18.9	17.7	16.2	14.3	13.2	0.024
		RI- 70S			57.6	44.4	40.7	38.1	36.1	33.7	30.9	27.4	25.1	0.028
		RI- 80S			68.2	52.6	48.3	45.1	42.7	40.0	36.7	32.5	29.8	0.065
		RI- 108S			394.2	174.9	160.5	150.1	142.1	132.9	121.9	107.9	99.0	0.221
	330	RI- 50S	MS	1	12.3	11.9	10.9	10.2	9.7	9.0	8.3	7.3	6.7	0.007
		RI- 63S			23.5	22.6	20.7	19.4	18.4	17.2	15.7	13.9	12.8	0.020
		RI- 70S			57.6	43.1	39.6	37.0	35.0	32.8	30.0	26.6	24.4	0.023
		RI- 80S			68.2	51.2	46.9	43.9	41.6	38.9	35.6	31.6	29.0	0.054
		RI- 108S			394.2	171.2	157.0	146.8	139.0	130.0	119.3	105.6	96.9	0.182
6	90	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.006
		RI- 40S			9.3	9.1	9.1	9.0	8.5	8.0	7.3	6.5	6.0	0.025
		RI- 50S			19.4	18.2	18.2	18.2	17.2	16.1	14.8	13.1	12.0	0.077
		RI- 63S			95.7	76.6	70.2	65.7	62.2	58.2	53.3	47.2	43.3	0.241
		RI- 70S			105.7	85.5	78.5	73.4	69.5	65.0	59.6	52.8	48.4	0.270

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
6	90	RI- 80S	MS	1	301.5	156.8	143.8	134.5	127.3	119.1	109.2	96.7	88.7	0.670
		RI- 108S			718.0	313.6	287.6	269.0	254.7	238.2	218.5	193.5	177.5	2.118
	120	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.003
		RI- 40S			9.3	9.1	9.1	8.9	8.4	7.9	7.2	6.4	5.9	0.014
		RI- 50S			41.7	35.2	32.3	30.2	28.6	26.7	24.5	21.7	19.9	0.045
		RI- 63S			95.7	78.1	71.7	67.0	63.5	59.3	54.4	48.2	44.2	0.136
		RI- 70S			170.2	118.6	108.8	101.8	96.4	90.1	82.7	73.2	67.2	0.164
		RI- 80S			242.0	228.9	210.0	196.4	185.9	173.9	159.5	141.2	129.6	0.415
		RI- 108S			1033.8	483.5	443.6	414.8	392.8	367.3	337.0	298.4	273.7	1.358
	150	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	9.1	9.1	8.5	8.0	7.5	6.9	6.1	5.6	0.009
		RI- 50S			41.7	34.1	31.3	29.3	27.7	25.9	23.8	21.1	19.3	0.029
		RI- 63S			95.7	75.5	69.3	64.8	61.3	57.4	52.6	46.6	42.7	0.087
		RI- 70S			255.6	127.7	117.1	109.5	103.7	97.0	89.0	78.8	72.3	0.112
		RI- 80S			242.0	223.1	204.7	191.4	181.2	169.5	155.5	137.7	126.3	0.265
		RI- 108S			1033.8	467.4	428.7	401.0	379.6	355.0	325.7	288.4	264.5	0.869
	180	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.7	8.1	7.7	7.2	6.6	5.8	5.3	0.006
		RI- 50S			41.7	32.6	29.9	28.0	26.5	24.8	22.7	20.1	18.4	0.020
		RI- 63S			95.7	72.6	66.6	62.3	59.0	55.2	50.6	44.8	41.1	0.060
		RI- 70S			255.6	123.2	113.0	105.7	100.0	93.6	85.8	76.0	69.7	0.078
		RI- 80S			242.0	212.9	195.3	182.7	173.0	161.8	148.4	131.4	120.5	0.184
		RI- 108S			1033.8	451.8	414.4	387.6	367.0	343.2	314.8	278.8	255.7	0.604
	210	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.3	7.8	7.4	6.9	6.3	5.6	5.1	0.005
		RI- 50S			41.7	31.2	28.6	26.8	25.4	23.7	21.8	19.3	17.7	0.015
		RI- 63S			95.7	69.6	63.9	59.7	56.6	52.9	48.5	43.0	39.4	0.044
		RI- 70S			255.6	119.5	109.6	102.5	97.0	90.8	83.3	73.7	67.6	0.057
		RI- 80S			242.0	203.4	186.5	174.5	165.2	154.5	141.7	125.5	115.1	0.135
		RI- 108S			1033.8	437.0	400.9	374.9	355.0	332.0	304.5	269.7	247.4	0.444
	240	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	8.7	8.0	7.5	7.1	6.6	6.1	5.4	4.9	0.004
		RI- 50S			41.7	30.0	27.5	25.7	24.3	22.8	20.9	18.5	17.0	0.011
		RI- 63S			95.7	66.8	61.3	57.3	54.3	50.8	46.6	41.2	37.8	0.034
		RI- 70S			255.6	115.9	106.3	99.4	94.1	88.0	80.7	71.5	65.6	0.044
		RI- 80S			242.0	194.8	178.7	167.1	158.2	148.0	135.7	120.2	110.2	0.104

Notes

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RI Series (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
6	240	RI- 108S	MS	1	1033.8	424.5	389.4	364.2	344.8	322.5	295.8	261.9	240.3	0.340
	270	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	8.4	7.7	7.2	6.8	6.4	5.9	5.2	4.8	0.003
		RI- 50S			41.7	28.9	26.5	24.8	23.5	22.0	20.1	17.8	16.4	0.009
		RI- 63S			95.7	64.4	59.1	55.3	52.3	48.9	44.9	39.7	36.5	0.027
		RI- 70S			255.6	112.5	103.2	96.5	91.4	85.5	78.4	69.4	63.7	0.035
		RI- 80S			242.0	187.2	171.8	160.6	152.1	142.2	130.5	115.5	106.0	0.082
		RI- 108S			1033.8	409.3	375.5	351.2	332.5	310.9	285.2	252.6	231.7	0.268
	300	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	0.001
		RI- 40S			9.3	8.2	7.5	7.0	6.6	6.2	5.7	5.0	4.6	0.002
		RI- 50S			41.7	28.0	25.7	24.0	22.7	21.2	19.5	17.3	15.8	0.007
		RI- 63S			95.7	62.3	57.1	53.4	50.6	47.3	43.4	38.4	35.3	0.022
		RI- 70S			255.6	108.6	99.6	93.1	88.2	82.5	75.7	67.0	61.5	0.028
		RI- 80S			242.0	180.7	165.7	155.0	146.8	137.3	125.9	111.5	102.3	0.066
		RI- 108S			1033.8	394.9	362.3	338.8	320.8	300.0	275.2	243.7	223.5	0.217
	330	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.5	0.000
		RI- 40S			9.3	7.9	7.3	6.8	6.4	6.0	5.5	4.9	4.5	0.002
		RI- 50S			41.7	27.1	24.9	23.3	22.0	20.6	18.9	16.7	15.4	0.006
		RI- 63S			95.7	60.5	55.5	51.9	49.1	45.9	42.1	37.3	34.2	0.018
		RI- 70S			255.6	105.1	96.5	90.2	85.4	79.9	73.3	64.9	59.5	0.023
		RI- 80S			242.0	175.0	160.5	150.1	142.1	132.9	121.9	108.0	99.0	0.055
		RI- 108S			1033.8	382.7	351.1	328.3	310.9	290.7	266.7	236.1	216.6	0.180
8	90	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.005
		RI- 40S			9.3	9.1	9.1	9.1	9.1	9.0	8.3	7.3	6.7	0.019
		RI- 50S			19.4	18.9	18.9	18.9	18.9	18.5	17.0	15.0	13.8	0.058
		RI- 63S			52.8	50.9	46.7	43.7	41.3	38.7	35.5	31.4	28.8	0.173
		RI- 70S			105.7	98.3	90.2	84.3	79.9	74.7	68.5	60.7	55.6	0.210
		RI- 80S			200.7	159.9	146.7	137.2	129.9	121.5	111.4	98.7	90.5	0.501
		RI- 108S			316.6	307.1	307.1	296.2	280.5	262.3	240.6	213.1	195.5	1.602
	120	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.003
		RI- 40S			9.3	8.7	8.7	8.7	8.7	8.7	7.9	7.0	6.5	0.011
		RI- 50S			19.4	19.2	19.2	19.2	19.2	18.0	16.5	14.6	13.4	0.033
		RI- 63S			52.8	49.5	45.4	42.5	40.2	37.6	34.5	30.6	28.0	0.097
		RI- 70S			105.7	96.0	88.1	82.4	78.0	72.9	66.9	59.2	54.3	0.118
		RI- 80S			200.7	156.9	143.9	134.6	127.4	119.2	109.3	96.8	88.8	0.282
		RI- 108S			718.0	340.9	312.7	292.5	276.9	259.0	237.6	210.4	193.0	0.945

Notes

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RI Series (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
8	150	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.002
		RI- 40S			9.3	8.8	8.8	8.8	8.8	8.2	7.5	6.7	6.1	0.007
		RI- 50S			19.4	19.3	19.3	19.3	18.3	17.1	15.7	13.9	12.8	0.021
		RI- 63S			52.8	47.2	43.3	40.5	38.3	35.8	32.9	29.1	26.7	0.062
		RI- 70S			105.7	91.5	83.9	78.5	74.3	69.5	63.8	56.5	51.8	0.076
		RI- 80S			200.7	149.2	136.8	128.0	121.2	113.3	103.9	92.0	84.4	0.180
		RI- 108S			718.0	326.0	299.0	279.7	264.8	247.6	227.2	201.1	184.5	0.605
	180	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	9.1	8.8	8.3	7.8	7.1	6.3	5.8	0.005
		RI- 50S			19.4	18.9	18.9	18.4	17.4	16.3	14.9	13.2	12.1	0.015
		RI- 63S			52.8	44.9	41.1	38.5	36.4	34.1	31.3	27.7	25.4	0.043
		RI- 70S			105.7	86.9	79.7	74.5	70.6	66.0	60.5	53.6	49.2	0.053
		RI- 80S			200.7	142.0	130.2	121.8	115.3	107.9	98.9	87.6	80.4	0.125
		RI- 108S			718.0	312.9	287.1	268.5	254.2	237.7	218.1	193.1	177.1	0.420
	210	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	9.0	8.4	7.9	7.4	6.8	6.0	5.5	0.004
		RI- 50S			19.4	18.9	18.8	17.6	16.6	15.6	14.3	12.6	11.6	0.011
		RI- 63S			52.8	42.9	39.4	36.8	34.9	32.6	29.9	26.5	24.3	0.032
		RI- 70S			105.7	83.2	76.3	71.4	67.6	63.2	58.0	51.3	47.1	0.039
		RI- 80S			200.7	135.9	124.7	116.6	110.4	103.2	94.7	83.8	76.9	0.092
		RI- 108S			718.0	301.2	276.3	258.4	244.7	228.8	209.9	185.9	170.5	0.309
	240	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.6	8.1	7.6	7.1	6.5	5.8	5.3	0.003
		RI- 50S			19.4	18.9	18.1	16.9	16.0	15.0	13.7	12.2	11.1	0.008
		RI- 63S			52.8	41.3	37.9	35.5	33.6	31.4	28.8	25.5	23.4	0.024
		RI- 70S			105.7	79.8	73.2	68.4	64.8	60.6	55.6	49.2	45.1	0.030
		RI- 80S			301.5	147.7	135.5	126.7	120.0	112.2	103.0	91.2	83.6	0.074
		RI- 108S			718.0	291.1	267.1	249.8	236.5	221.2	202.9	179.6	164.8	0.236
	270	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001
		RI- 40S			9.3	9.1	8.3	7.8	7.4	6.9	6.3	5.6	5.1	0.002
		RI- 50S			19.4	19.0	17.4	16.3	15.4	14.4	13.3	11.7	10.8	0.006
		RI- 63S			52.8	39.9	36.6	34.2	32.4	30.3	27.8	24.6	22.6	0.019
		RI- 70S			105.7	77.0	70.6	66.1	62.5	58.5	53.7	47.5	43.6	0.023
		RI- 80S			301.5	143.4	131.5	123.0	116.4	108.9	99.9	88.5	81.1	0.059
		RI- 108S			718.0	282.6	259.2	242.4	229.5	214.7	196.9	174.4	159.9	0.187
	300	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.001

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
8	300	RI- 40S	MS	1	9.3	8.8	8.1	7.5	7.1	6.7	6.1	5.4	5.0	0.002
		RI- 50S			19.4	18.4	16.9	15.8	15.0	14.0	12.8	11.4	10.4	0.005
		RI- 63S			52.8	38.6	35.4	33.1	31.4	29.3	26.9	23.8	21.9	0.016
		RI- 70S			105.7	74.4	68.3	63.9	60.5	56.5	51.9	45.9	42.1	0.019
		RI- 80S			301.5	139.4	127.9	119.6	113.2	105.9	97.1	86.0	78.9	0.048
		RI- 108S			718.0	274.6	251.9	235.5	223.0	208.6	191.3	169.4	155.4	0.151
	330	RI- 32S	MS	1	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.000
		RI- 40S			9.3	8.5	7.8	7.3	6.9	6.5	5.9	5.3	4.8	0.001
		RI- 50S			19.4	17.9	16.4	15.3	14.5	13.6	12.5	11.0	10.1	0.004
		RI- 63S			52.8	37.5	34.4	32.2	30.4	28.5	26.1	23.1	21.2	0.013
		RI- 70S			105.7	72.3	66.4	62.1	58.8	54.9	50.4	44.6	40.9	0.016
		RI- 80S			301.5	135.4	124.2	116.2	110.0	102.9	94.4	83.6	76.7	0.039
		RI- 108S			718.0	267.3	245.2	229.3	217.1	203.0	186.2	164.9	151.3	0.125
10	90	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.015
		RI- 50S			12.3	11.9	11.9	11.9	11.9	11.9	11.7	10.4	9.5	0.046
		RI- 63S			52.8	51.2	51.1	47.8	45.2	42.3	38.8	34.3	31.5	0.141
		RI- 70S			57.6	55.9	55.8	52.2	49.4	46.2	42.4	37.5	34.4	0.156
		RI- 80S			68.2	66.2	65.4	61.2	57.9	54.2	49.7	44.0	40.4	0.360
		RI- 108S			262.4	230.6	211.6	197.9	187.3	175.2	160.7	142.3	130.5	1.179
	120	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.008
		RI- 50S			12.3	12.1	12.1	12.1	12.1	12.1	11.1	9.8	9.0	0.026
		RI- 63S			52.8	51.2	48.5	45.3	42.9	40.1	36.8	32.6	29.9	0.079
		RI- 70S			57.6	55.9	53.2	49.7	47.1	44.0	40.4	35.8	32.8	0.088
		RI- 80S			68.2	68.0	62.3	58.3	55.2	51.6	47.4	41.9	38.5	0.202
		RI- 108S			262.4	220.5	202.3	189.2	179.1	167.5	153.7	136.1	124.8	0.663
	150	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.005
		RI- 50S			12.3	12.2	12.2	12.2	12.2	11.4	10.5	9.3	8.5	0.016
		RI- 63S			52.8	50.0	45.9	42.9	40.6	38.0	34.9	30.9	28.3	0.051
		RI- 70S			57.6	54.5	50.0	46.8	44.3	41.4	38.0	33.7	30.9	0.056
		RI- 80S			68.2	64.4	59.1	55.3	52.3	48.9	44.9	39.8	36.5	0.129
		RI- 108S			394.2	216.9	199.0	186.1	176.2	164.8	151.2	133.9	122.8	0.441
	180	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.004
		RI- 50S			12.3	11.6	11.6	11.6	11.6	10.9	10.0	8.8	8.1	0.011
		RI- 63S			52.8	47.6	43.7	40.8	38.7	36.2	33.2	29.4	26.9	0.035
		RI- 70S			57.6	51.9	47.6	44.5	42.2	39.4	36.2	32.0	29.4	0.039
		RI- 80S			68.2	61.4	56.3	52.7	49.9	46.6	42.8	37.9	34.7	0.090

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
10	180	RI- 108S	MS	1	394.2	207.5	190.3	178.0	168.5	157.6	144.6	128.0	117.4	0.307
	210	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.003
		RI- 50S			12.3	11.9	11.9	11.7	11.1	10.4	9.5	8.4	7.7	0.008
		RI- 63S			52.8	45.4	41.7	39.0	36.9	34.5	31.6	28.0	25.7	0.026
		RI- 70S			57.6	49.6	45.5	42.6	40.3	37.7	34.6	30.6	28.1	0.029
		RI- 80S			68.2	58.7	53.9	50.4	47.7	44.6	40.9	36.2	33.2	0.066
		RI- 108S			394.2	199.4	183.0	171.1	162.0	151.5	139.0	123.1	112.9	0.225
	240	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.002
		RI- 50S			12.3	12.1	12.1	11.3	10.7	10.0	9.2	8.1	7.4	0.006
		RI- 63S			52.8	43.6	40.0	37.4	35.4	33.1	30.4	26.9	24.7	0.020
		RI- 70S			57.6	47.7	43.7	40.9	38.7	36.2	33.2	29.4	27.0	0.022
		RI- 80S			68.2	56.5	51.8	48.4	45.9	42.9	39.3	34.8	32.0	0.051
		RI- 108S			394.2	192.2	176.3	164.9	156.1	146.0	133.9	118.6	108.8	0.172
	270	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.002
		RI- 50S			12.3	11.9	11.6	10.9	10.3	9.6	8.8	7.8	7.2	0.005
		RI- 63S			52.8	42.1	38.6	36.1	34.2	32.0	29.3	26.0	23.8	0.016
		RI- 70S			57.6	46.0	42.2	39.5	37.4	35.0	32.1	28.4	26.0	0.017
		RI- 80S			124.9	97.1	89.1	83.3	78.9	73.8	67.7	59.9	55.0	0.043
		RI- 108S			394.2	186.1	170.7	159.6	151.1	141.4	129.7	114.8	105.3	0.136
	300	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.001
		RI- 50S			12.3	12.3	11.3	10.6	10.0	9.3	8.6	7.6	7.0	0.004
		RI- 63S			52.8	40.7	37.4	35.0	33.1	31.0	28.4	25.1	23.1	0.013
		RI- 70S			57.6	44.5	40.9	38.2	36.2	33.8	31.0	27.5	25.2	0.014
		RI- 80S			124.9	94.1	86.3	80.7	76.4	71.5	65.6	58.1	53.3	0.035
		RI- 108S			394.2	180.7	165.7	155.0	146.8	137.3	125.9	111.5	102.3	0.110
	330	RI- 40S	MS	1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.001
		RI- 50S			12.3	11.9	10.9	10.2	9.7	9.1	8.3	7.4	6.8	0.003
		RI- 63S			52.8	39.6	36.3	34.0	32.1	30.1	27.6	24.4	22.4	0.010
		RI- 70S			57.6	43.3	39.7	37.1	35.2	32.9	30.2	26.7	24.5	0.012
		RI- 80S			124.9	91.3	83.8	78.3	74.2	69.4	63.6	56.3	51.7	0.029
		RI- 108S			394.2	175.9	161.3	150.9	142.9	133.6	122.6	108.5	99.6	0.091
12	90	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.013
		RI- 50S			12.3	11.9	11.9	11.9	11.9	11.9	11.9	11.0	10.1	0.038
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.8	22.8	21.1	19.3	0.112
		RI- 70S			25.5	24.7	24.7	24.7	24.7	24.7	24.7	22.6	20.7	0.124
		RI- 80S			68.2	66.2	66.2	65.3	61.8	57.8	53.0	46.9	43.1	0.303

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
12	90	RI- 108S	MS	1	164.0	162.7	162.7	152.2	144.1	134.7	123.6	109.4	100.4	0.953
	120	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.007
		RI- 50S			12.3	11.9	11.9	11.9	11.9	11.9	11.7	10.4	9.5	0.021
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.8	22.3	19.8	18.1	0.063
		RI- 70S			25.5	24.7	24.7	24.7	24.7	24.7	23.9	21.2	19.5	0.070
		RI- 80S			68.2	66.2	65.9	61.6	58.3	54.5	50.0	44.3	40.6	0.170
		RI- 108S			164.0	159.0	153.9	143.9	136.3	127.4	116.9	103.5	95.0	0.536
	150	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.005
		RI- 50S			12.3	12.0	12.0	12.0	12.0	12.0	11.0	9.8	9.0	0.014
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.8	21.0	18.6	17.0	0.040
		RI- 70S			57.6	57.3	52.6	49.2	46.6	43.5	39.9	35.4	32.4	0.048
		RI- 80S			124.9	120.7	110.7	103.6	98.0	91.7	84.1	74.5	68.3	0.118
		RI- 108S			262.4	219.2	201.0	188.0	178.0	166.5	152.7	135.2	124.0	0.362
	180	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.003
		RI- 50S			12.3	12.2	12.2	12.2	12.2	11.4	10.4	9.3	8.5	0.010
		RI- 63S			23.5	23.2	23.2	23.2	23.2	21.7	19.9	17.6	16.1	0.028
		RI- 70S			57.6	54.3	49.9	46.6	44.1	41.3	37.9	33.5	30.8	0.033
		RI- 80S			124.9	114.6	105.1	98.3	93.1	87.0	79.8	70.7	64.8	0.082
		RI- 108S			262.4	207.7	190.6	178.2	168.7	157.8	144.8	128.2	117.6	0.251
	210	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.002
		RI- 50S			12.3	11.6	11.6	11.6	11.6	10.9	10.0	8.8	8.1	0.007
		RI- 63S			23.5	23.4	23.4	23.4	22.1	20.7	19.0	16.8	15.4	0.021
		RI- 70S			57.6	51.9	47.6	44.5	42.1	39.4	36.2	32.0	29.4	0.024
		RI- 80S			124.9	109.5	100.5	94.0	89.0	83.2	76.3	67.6	62.0	0.060
		RI- 108S			262.4	198.7	182.3	170.5	161.4	150.9	138.4	122.6	112.5	0.184
	240	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.002
		RI- 50S			12.3	11.9	11.9	11.8	11.2	10.5	9.6	8.5	7.8	0.005
		RI- 63S			23.5	22.8	22.8	22.5	21.3	19.9	18.2	16.2	14.8	0.016
		RI- 70S			57.6	49.8	45.7	42.7	40.5	37.8	34.7	30.7	28.2	0.019
		RI- 80S			124.9	105.0	96.3	90.1	85.3	79.8	73.2	64.8	59.4	0.046
		RI- 108S			262.4	190.7	174.9	163.6	154.9	144.8	132.9	117.6	107.9	0.141
	270	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.001
		RI- 50S			12.3	12.2	12.2	11.4	10.8	10.1	9.3	8.2	7.5	0.004
		RI- 63S			23.5	23.2	23.2	21.7	20.5	19.2	17.6	15.6	14.3	0.012
		RI- 70S			57.6	48.0	44.1	41.2	39.0	36.5	33.5	29.6	27.2	0.015
		RI- 80S			124.9	101.4	93.0	87.0	82.4	77.0	70.6	62.6	57.4	0.037

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
12	270	RI- 108S	MS	1	262.4	184.1	168.9	158.0	149.6	139.9	128.3	113.6	104.2	0.112
	300	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.001
		RI- 50S			12.3	11.9	11.8	11.1	10.5	9.8	9.0	7.9	7.3	0.003
		RI- 63S			23.5	22.8	22.5	21.0	19.9	18.6	17.1	15.1	13.9	0.010
		RI- 70S			57.6	46.6	42.7	40.0	37.8	35.4	32.5	28.7	26.4	0.012
		RI- 80S			124.9	98.2	90.0	84.2	79.7	74.6	68.4	60.6	55.6	0.030
		RI- 108S			262.4	178.4	163.7	153.1	144.9	135.5	124.3	110.1	101.0	0.090
	330	RI- 40S	MS	1	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.001
		RI- 50S			12.3	11.9	11.5	10.7	10.2	9.5	8.7	7.7	7.1	0.003
		RI- 63S			23.5	22.8	21.8	20.4	19.3	18.1	16.6	14.7	13.5	0.008
		RI- 70S			57.6	45.3	41.5	38.8	36.8	34.4	31.5	27.9	25.6	0.010
		RI- 80S			124.9	95.4	87.5	81.8	77.5	72.5	66.5	58.8	54.0	0.024
		RI- 108S			262.4	173.0	158.7	148.5	140.6	131.5	120.6	106.8	97.9	0.075
16	90	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.1	15.1	15.1	15.0	13.8	0.083
		RI- 70S			30.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8	27.4	0.098
		RI- 80S			32.4	31.4	31.4	31.4	31.4	31.4	31.4	31.3	28.7	0.222
		RI- 108S			89.7	87.2	87.2	87.2	87.2	81.5	74.8	66.2	60.8	0.691
	120	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.1	15.1	15.1	14.0	12.8	0.047
		RI- 70S			30.6	29.7	29.7	29.7	29.7	29.7	29.7	28.1	25.8	0.055
		RI- 80S			32.4	31.4	31.4	31.4	31.4	31.4	31.4	29.3	26.9	0.125
		RI- 108S			164.0	159.0	159.0	156.1	147.7	138.2	126.8	112.2	103.0	0.413
	150	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.1	15.1	14.8	13.1	12.0	0.030
		RI- 70S			30.6	29.9	29.9	29.9	29.9	29.9	29.9	26.4	24.3	0.035
		RI- 80S			32.4	31.4	31.4	31.4	31.4	31.4	31.0	27.5	25.2	0.080
		RI- 108S			164.0	159.0	156.5	146.4	138.6	129.6	118.9	105.3	96.6	0.264
	180	RI- 63S	MS	1	15.6	15.3	15.3	15.3	15.3	15.3	14.0	12.4	11.4	0.021
		RI- 70S			30.6	29.7	29.7	29.7	29.7	29.7	28.3	25.1	23.0	0.024
		RI- 80S			32.4	32.1	32.1	32.1	32.1	32.1	29.4	26.0	23.9	0.056
		RI- 108S			164.0	161.7	148.4	138.8	131.4	122.9	112.7	99.8	91.5	0.184
	210	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.1	14.6	13.4	11.9	10.9	0.015
		RI- 70S			30.6	29.7	29.7	29.7	29.7	29.6	27.1	24.0	22.0	0.018
		RI- 80S			32.4	31.4	31.4	31.4	31.4	30.6	28.1	24.9	22.8	0.041
		RI- 108S			164.0	154.6	141.8	132.7	125.6	117.5	107.7	95.4	87.5	0.135
	240	RI- 63S	MS	1	15.6	15.1	15.1	15.1	15.0	14.0	12.9	11.4	10.5	0.012
		RI- 70S			30.6	30.4	30.4	30.4	30.4	28.4	26.1	23.1	21.2	0.014
		RI- 80S			32.4	31.5	31.5	31.5	31.5	29.5	27.0	23.9	22.0	0.031

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
16	240	RI- 108S	MS	1	164.0	148.5	136.2	127.4	120.6	112.8	103.5	91.6	84.1	0.103
	270	RI- 63S	MS	1	15.6	15.3	15.3	15.3	14.5	13.6	12.4	11.0	10.1	0.009
		RI- 70S			30.6	29.7	29.7	29.7	29.3	27.4	25.2	22.3	20.4	0.011
		RI- 80S			32.4	32.1	32.1	32.1	30.4	28.4	26.1	23.1	21.2	0.025
		RI- 108S			164.0	143.2	131.4	122.9	116.4	108.8	99.8	88.4	81.1	0.082
	300	RI- 63S	MS	1	15.6	15.1	15.1	14.8	14.1	13.1	12.1	10.7	9.8	0.007
		RI- 70S			30.6	30.0	30.0	30.0	28.4	26.6	24.4	21.6	19.8	0.009
		RI- 80S			32.4	31.4	31.4	31.1	29.5	27.6	25.3	22.4	20.5	0.020
		RI- 108S			164.0	138.8	127.3	119.1	112.7	105.4	96.7	85.6	78.6	0.066
	330	RI- 63S	MS	1	15.6	15.4	15.4	14.4	13.6	12.8	11.7	10.4	9.5	0.006
		RI- 70S			30.6	29.7	29.7	29.2	27.6	25.8	23.7	21.0	19.2	0.007
		RI- 80S			32.4	32.3	32.3	30.2	28.6	26.8	24.6	21.8	20.0	0.017
		RI- 108S			164.0	134.9	123.8	115.8	109.6	102.5	94.0	83.3	76.4	0.055
	90	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.037
		RI- 50S			12.3	11.9	11.9	11.9	11.7	10.9	10.0	8.9	8.2	0.113
		RI- 63S			23.5	22.2	22.2	22.2	22.2	20.8	19.1	16.9	15.5	0.332
		RI- 70S			57.6	51.5	47.2	44.2	41.8	39.1	35.9	31.8	29.1	0.384
		RI- 80S			68.2	60.3	55.3	51.7	49.0	45.8	42.0	37.2	34.1	0.889
	120	RI- 40S	MS	2	9.3	9.1	9.1	9.1	9.1	8.6	7.8	6.9	6.4	0.022
		RI- 50S			19.4	18.9	18.9	18.9	18.5	17.3	15.9	14.1	12.9	0.066
		RI- 63S			52.8	47.9	44.0	41.1	38.9	36.4	33.4	29.6	27.1	0.194
		RI- 70S			105.7	93.7	85.9	80.4	76.1	71.2	65.3	57.8	53.0	0.237
		RI- 80S			124.9	109.5	100.4	93.9	88.9	83.2	76.3	67.5	62.0	0.529
	150	RI- 40S	MS	2	9.3	9.1	9.1	9.1	8.9	8.3	7.6	6.8	6.2	0.014
		RI- 50S			19.4	19.3	19.3	19.3	18.3	17.1	15.7	13.9	12.7	0.042
		RI- 63S			52.8	47.2	43.3	40.5	38.3	35.8	32.9	29.1	26.7	0.124
		RI- 70S			105.7	92.3	84.7	79.2	75.0	70.2	64.4	57.0	52.3	0.151
		RI- 80S			200.7	149.6	137.2	128.3	121.5	113.6	104.3	92.3	84.7	0.360
	180	RI- 40S	MS	2	9.3	9.1	9.1	9.0	8.6	8.0	7.3	6.5	6.0	0.010
		RI- 50S			19.4	18.9	18.9	18.7	17.7	16.6	15.2	13.5	12.3	0.029
		RI- 63S			52.8	45.8	42.0	39.3	37.2	34.8	31.9	28.3	25.9	0.086
		RI- 70S			105.7	89.8	82.4	77.1	73.0	68.2	62.6	55.4	50.8	0.105
		RI- 80S			200.7	146.0	133.9	125.2	118.6	110.9	101.7	90.1	82.6	0.250
	210	RI- 40S	MS	2	9.3	8.7	8.7	8.7	8.2	7.7	7.1	6.3	5.7	0.007
		RI- 50S			19.4	19.3	19.3	18.1	17.1	16.0	14.7	13.0	11.9	0.021
		RI- 63S			52.8	44.3	40.6	38.0	36.0	33.6	30.9	27.3	25.1	0.063

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
16	210	RI- 70S	MS	2	105.7	87.0	79.8	74.6	70.6	66.1	60.6	53.7	49.2	0.077
		RI- 80S			200.7	141.6	129.9	121.5	115.0	107.6	98.7	87.4	80.2	0.184
	240	RI- 40S	MS	2	9.3	9.1	9.0	8.4	7.9	7.4	6.8	6.0	5.5	0.005
		RI- 50S			19.4	18.9	18.7	17.5	16.5	15.5	14.2	12.6	11.5	0.016
		RI- 63S			52.8	42.8	39.3	36.7	34.8	32.5	29.8	26.4	24.2	0.049
		RI- 70S			105.7	84.2	77.2	72.2	68.4	64.0	58.7	52.0	47.7	0.059
		RI- 80S			200.7	137.3	125.9	117.8	111.5	104.3	95.6	84.7	77.7	0.141
	270	RI- 40S	MS	2	9.3	9.1	8.7	8.1	7.7	7.2	6.6	5.8	5.3	0.004
		RI- 50S			19.4	18.9	18.1	16.9	16.0	15.0	13.7	12.2	11.1	0.013
		RI- 63S			52.8	41.4	38.0	35.5	33.6	31.5	28.9	25.6	23.4	0.038
		RI- 70S			105.7	81.5	74.7	69.9	66.2	61.9	56.8	50.3	46.1	0.047
		RI- 80S			200.7	132.9	121.9	114.0	107.9	100.9	92.6	82.0	75.2	0.111
	300	RI- 40S	MS	2	9.3	9.2	8.4	7.9	7.4	7.0	6.4	5.7	5.2	0.003
		RI- 50S			19.4	19.1	17.5	16.4	15.5	14.5	13.3	11.8	10.8	0.010
		RI- 63S			52.8	40.2	36.9	34.5	32.7	30.5	28.0	24.8	22.8	0.031
		RI- 70S			105.7	79.1	72.6	67.9	64.3	60.1	55.1	48.8	44.8	0.038
		RI- 80S			200.7	129.1	118.4	110.8	104.9	98.1	90.0	79.7	73.1	0.090
	330	RI- 40S	MS	2	9.3	8.9	8.2	7.6	7.2	6.8	6.2	5.5	5.0	0.003
		RI- 50S			19.4	18.6	17.1	16.0	15.1	14.1	13.0	11.5	10.5	0.009
		RI- 63S			52.8	39.1	35.9	33.6	31.8	29.7	27.3	24.1	22.1	0.026
		RI- 70S			105.7	77.0	70.6	66.1	62.5	58.5	53.7	47.5	43.6	0.031
		RI- 80S			200.7	125.7	115.3	107.8	102.1	95.5	87.6	77.6	71.1	0.074
20	90	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.030
		RI- 50S			12.3	12.0	12.0	12.0	12.0	12.0	11.0	9.7	8.9	0.091
		RI- 63S			52.8	51.3	47.1	44.1	41.7	39.0	35.8	31.7	29.1	0.281
		RI- 70S			57.6	56.3	51.6	48.3	45.7	42.8	39.2	34.7	31.9	0.313
		RI- 80S			124.9	117.1	107.4	100.5	95.1	89.0	81.6	72.3	66.3	0.770
		RI- 108S			262.4	214.4	196.6	183.9	174.1	162.8	149.4	132.3	121.3	2.359
	120	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.017
		RI- 50S			12.3	11.9	11.9	11.9	11.9	11.9	11.0	9.7	8.9	0.051
		RI- 63S			52.8	51.8	47.6	44.5	42.1	39.4	36.1	32.0	29.3	0.158
		RI- 70S			57.6	56.8	52.1	48.7	46.1	43.1	39.6	35.0	32.2	0.176
		RI- 80S			124.9	118.8	109.0	101.9	96.5	90.2	82.8	73.3	67.2	0.433
		RI- 108S			262.4	216.7	198.8	186.0	176.1	164.7	151.0	133.7	122.7	1.327
	150	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.011
		RI- 50S			12.3	11.9	11.9	11.9	11.9	11.5	10.6	9.4	8.6	0.033

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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RI Series (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
20	150	RI- 63S	MS	2	52.8	50.7	46.5	43.5	41.2	38.5	35.3	31.3	28.7	0.101
		RI- 70S			57.6	55.3	50.7	47.5	44.9	42.0	38.5	34.1	31.3	0.113
		RI- 80S			124.9	116.7	107.0	100.1	94.8	88.6	81.3	72.0	66.0	0.277
		RI- 108S			394.2	230.3	211.2	197.6	187.0	174.9	160.5	142.1	130.3	0.883
	180	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.007
		RI- 50S			12.3	11.9	11.9	11.9	11.8	11.1	10.2	9.0	8.2	0.023
		RI- 63S			52.8	49.0	45.0	42.0	39.8	37.2	34.2	30.2	27.7	0.070
		RI- 70S			57.6	53.3	48.9	45.7	43.3	40.5	37.1	32.9	30.2	0.078
		RI- 80S			124.9	113.1	103.8	97.0	91.9	85.9	78.8	69.8	64.0	0.193
		RI- 108S			394.2	219.7	201.6	188.5	178.5	166.9	153.1	135.6	124.4	0.613
	210	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.006
		RI- 50S			12.3	12.0	12.0	12.0	11.4	10.6	9.8	8.6	7.9	0.017
		RI- 63S			52.8	47.2	43.3	40.5	38.4	35.9	32.9	29.1	26.7	0.052
		RI- 70S			57.6	51.3	47.1	44.0	41.7	39.0	35.8	31.7	29.0	0.057
		RI- 80S			124.9	109.3	100.2	93.7	88.8	83.0	76.1	67.4	61.8	0.141
		RI- 108S			394.2	210.5	193.1	180.6	171.0	159.9	146.7	129.9	119.1	0.450
	240	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.004
		RI- 50S			12.3	11.9	11.9	11.6	11.0	10.2	9.4	8.3	7.6	0.013
		RI- 63S			52.8	45.6	41.8	39.1	37.0	34.6	31.8	28.1	25.8	0.040
		RI- 70S			57.6	49.5	45.4	42.5	40.2	37.6	34.5	30.5	28.0	0.044
		RI- 80S			124.9	105.6	96.9	90.6	85.8	80.2	73.6	65.2	59.8	0.108
		RI- 108S			394.2	202.9	186.1	174.0	164.8	154.1	141.4	125.2	114.8	0.345
	270	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.003
		RI- 50S			12.3	11.9	11.9	11.2	10.6	9.9	9.1	8.0	7.4	0.010
		RI- 63S			52.8	44.0	40.4	37.8	35.8	33.5	30.7	27.2	24.9	0.031
		RI- 70S			57.6	47.8	43.9	41.0	38.9	36.3	33.3	29.5	27.1	0.035
		RI- 80S			124.9	102.1	93.7	87.6	82.9	77.6	71.2	63.0	57.8	0.086
		RI- 108S			394.2	195.7	179.6	167.9	159.0	148.7	136.4	120.8	110.8	0.272
	300	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.003
		RI- 50S			12.3	11.9	11.6	10.8	10.3	9.6	8.8	7.8	7.1	0.008
		RI- 63S			52.8	42.8	39.2	36.7	34.7	32.5	29.8	26.4	24.2	0.025
		RI- 70S			57.6	46.4	42.5	39.8	37.7	35.2	32.3	28.6	26.3	0.028
		RI- 80S			124.9	99.2	91.0	85.1	80.5	75.3	69.1	61.2	56.1	0.069
		RI- 108S			394.2	190.0	174.3	163.0	154.3	144.3	132.4	117.2	107.5	0.221
	330	RI- 40S	MS	2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.002
		RI- 50S			12.3	12.3	11.3	10.5	10.0	9.3	8.6	7.6	6.9	0.007

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 (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
20	330	RI- 63S	MS	2	52.8	41.6	38.1	35.7	33.8	31.6	29.0	25.6	23.5	0.021
		RI- 70S			57.6	45.1	41.4	38.7	36.6	34.3	31.4	27.8	25.5	0.023
		RI- 80S			124.9	96.5	88.5	82.8	78.4	73.3	67.2	59.5	54.6	0.057
		RI- 108S			394.2	184.7	169.5	158.5	150.1	140.3	128.7	114.0	104.6	0.182
24	90	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.075
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.8	22.6	20.0	18.4	0.225
		RI- 70S			25.5	24.7	24.7	24.7	24.7	24.7	24.6	21.8	20.0	0.249
		RI- 80S			68.2	66.2	65.4	61.2	57.9	54.2	49.7	44.0	40.4	0.606
		RI- 108S			164.0	159.0	154.7	144.7	137.0	128.1	117.6	104.1	95.5	1.907
	120	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.042
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.8	22.2	19.7	18.1	0.126
		RI- 70S			25.5	24.7	24.7	24.7	24.7	24.7	23.9	21.2	19.4	0.140
		RI- 80S			68.2	66.2	65.0	60.8	57.6	53.9	49.4	43.7	40.1	0.341
		RI- 108S			164.0	159.0	153.2	143.3	135.7	126.9	116.4	103.1	94.6	1.072
	150	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.027
		RI- 63S			23.5	23.3	23.3	23.3	23.3	23.3	21.4	18.9	17.3	0.081
		RI- 70S			25.5	24.9	24.9	24.9	24.9	24.9	22.9	20.3	18.6	0.090
		RI- 80S			68.2	66.2	63.1	59.0	55.9	52.3	47.9	42.4	38.9	0.218
		RI- 108S			262.4	224.5	205.9	192.6	182.4	170.5	156.4	138.5	127.1	0.723
	180	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.019
		RI- 63S			23.5	22.8	22.8	22.8	22.8	22.3	20.4	18.1	16.6	0.056
		RI- 70S			25.5	23.8	23.8	23.8	23.8	23.8	21.9	19.4	17.8	0.062
		RI- 80S			68.2	66.0	60.6	56.7	53.6	50.2	46.0	40.8	37.4	0.152
		RI- 108S			262.4	216.0	198.1	185.3	175.4	164.1	150.5	133.3	122.2	0.502
	210	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.014
		RI- 63S			23.5	22.9	22.9	22.9	22.9	21.4	19.6	17.4	15.9	0.041
		RI- 70S			25.5	24.7	24.7	24.7	24.4	22.9	21.0	18.6	17.0	0.046
		RI- 80S			68.2	63.5	58.3	54.5	51.6	48.3	44.3	39.2	36.0	0.111
		RI- 108S			262.4	207.7	190.6	178.2	168.7	157.8	144.8	128.2	117.6	0.369
	240	RI- 50S	MS	2	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.010
		RI- 63S			23.5	23.3	23.3	23.3	22.0	20.6	18.9	16.7	15.4	0.032
		RI- 70S			25.5	24.8	24.8	24.8	23.5	22.0	20.2	17.9	16.4	0.035
		RI- 80S			68.2	61.3	56.2	52.6	49.8	46.5	42.7	37.8	34.7	0.085
		RI- 108S			262.4	200.5	183.9	172.0	162.8	152.3	139.7	123.7	113.5	0.282
	270	RI- 50S	MS	2	12.3	11.9	11.9	11.8	11.2	10.5	9.6	8.5	7.8	0.008
		RI- 63S			23.5	22.8	22.8	22.5	21.3	19.9	18.2	16.1	14.8	0.025

Notes

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RI Series (shaft 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) Input Shaft Revolution (rpm) 30	40	50	60	75	100	150	200	Inertia Torque Self-consumed Ma (N·m)
24	270	RI- 70S	MS	2	25.5	24.7	24.7	23.9	22.7	21.2	19.4	17.2	15.8	0.028
		RI- 80S			68.2	59.1	54.2	50.7	48.0	44.9	41.2	36.5	33.5	0.067
		RI- 108S			262.4	193.6	177.6	166.1	157.2	147.0	134.9	119.4	109.6	0.223
	300	RI- 50S	MS	2	12.3	12.2	12.2	11.5	10.8	10.1	9.3	8.2	7.6	0.007
		RI- 63S			23.5	23.3	23.3	21.8	20.6	19.3	17.7	15.7	14.4	0.020
		RI- 70S			25.5	24.8	24.8	23.2	22.0	20.6	18.9	16.7	15.3	0.022
		RI- 80S			68.2	57.3	52.6	49.2	46.6	43.6	40.0	35.4	32.5	0.055
		RI- 108S			262.4	187.7	172.2	161.0	152.5	142.6	130.8	115.8	106.3	0.181
	330	RI- 50S	MS	2	12.3	11.9	11.9	11.1	10.5	9.9	9.0	8.0	7.3	0.006
		RI- 63S			23.5	22.8	22.6	21.2	20.0	18.7	17.2	15.2	14.0	0.017
		RI- 70S			25.5	24.7	24.1	22.6	21.4	20.0	18.3	16.2	14.9	0.019
		RI- 80S			68.2	55.7	51.1	47.8	45.3	42.3	38.8	34.4	31.5	0.045
		RI- 108S			262.4	182.5	167.4	156.6	148.3	138.7	127.2	112.6	103.3	0.149

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.