

Rating Table

Model Code	Ratio Code (Speed Ratio)					T ₀	N ₀	K	T _{s1}
						Rated Torque N-m (lb-in)	Rated Output Speed rpm	Rated Life [Continuous] Hr	Allowable Acceleration/ Deceleration Torque N-m (lb-in)
RD-E Series									
RD-006E	031 (31)	043 (43)	054 (53,5)	079 (79)	103 (103)	58 (521)	30	6000	117 (1042)
RD-020E	041 (41)	057 (57)	081 (81)	105 (105)	161 (161)	167 (1476)	15	6000	412 (3645)
RD-040E	041 (41)	057 (57)	081 (81)	105 (105)	153 (153)	412 (3645)	15	6000	1029 (9114)
RD-080E	041 (41)	057 (57)	081 (81)	101 (101)	153 (153)	784 (6944)	15	6000	1960 (17359)
RD-160E	066 (66)	081 (81)	101 (101)	145 (145)	171 (171)	1568 (13887)	15	6000	3920 (34719)
RD-320E	066 (66)	081 (81)	101 (101)	141 (141)	185 (185)	3136 (27775)	15	6000	7840 (69437)
RD-C Series									
RD-010C	081 (81)	108 (108)	153 (153)	189 (189)	243 (243)	98 (868)	15	6000	245 (2170)
RD-027C	100 (99,82)	142 (141,68)	184 (184)	233 (233,45)		265 (2344)	15	6000	662 (5859)
RD-050C	109 (109)	153 (152,6)	196 (196,2)	240 (239,8)		490 (4340)	15	6000	1225 (10850)
RD-100C	101 (100,5)	150 (150)	210 (210)	258 (258)		980 (8680)	15	6000	2450 (21699)
RD-200C	106 (105,83)	156 (155,96)	206 (206,09)	245 (245,08)		1960 (17359)	15	6000	4900 (43398)
RD-320C	115 (115)	157 (157)	207 (207)	253 (253)		3136 (27775)	15	6000	7840 (69437)

- Note:**
1. The rating table shows the specification values of each reduction gear.
 2. The allowable output speed may be limited by heat depending on the operation rate.
 3. For the moment of inertia of the reduction gear, refer to the external dimension drawings of the reduction gear and the coupling.
 4. For dimension α , refer to "Allowable Moment And Maximum Axial Load" in the Glossary on page 8.

T_{s2}	N_{s1}	N_{s2}	Backlash	Lost Motion	Torsional R:G:dity Spring Constant N-m/ arc.min (lb-in/arc.min)	Capacity of Main Bearing			
						M₀	M_{s1}	F₀	α□
Momentary Maximum Allowable Torque	Allowable Output Speed [Continuous] (Note 2) rpm	Allowable Output Speed [Intermittent] (Note 2) rpm	arc.min	arc.min		Allowable Moment	Momentary Maximum Allowable Moment	Maximum Thrust Load	Dimension α (Note 4)
N-m (lb-in)						N-m (lb-in)	N-m (lb-in)	N (lb)	mm
294 (2604)	60	100	1.5	1.5	20 (177)	196 (1736)	392 (3472)	1470 (331)	77.8
833 (7378)	45	75	1.0	1.0	49 (434)	882 (7812)	1764 (15623)	3920 (882)	93.2
2058 (18227)	42	70	1.0	1.0	108 (955)	1666 (14755)	3332 (29511)	5194 (1168)	114.6
3920 (34719)	42	70	1.0	1.0	196 (1736)	2156 (19095)	4312 (38190)	7840 (1764)	136.1
7840 (69437)	27	45	1.0	1.0	392 (3472)	3920 (34719)	7840 (69437)	14700 (3307)	167.3
15680 (138874)	21	35	1.0	1.0	980 (8680)	7056 (62493)	14112 (124987)	19600 (4409)	203
490 (4340)	48	80	1.0	1.0	47 (417)	686 (6076)	1372 (12152)	5880 (1323)	91.2
1323 (11718)	36	60	1.0	1.0	147 (1302)	980 (8680)	1960 (17359)	8820 (1984)	112
2450 (21699)	30	50	1.0	1.0	255 (2257)	1764 (15623)	3528 (31247)	11760 (2646)	136.8
4900 (43398)	24	40	1.0	1.0	510 (4513)	2450 (21699)	4900 (43398)	13720 (3087)	148.9
9800 (86796)	18	30	1.0	1.0	980 (8680)	8820 (78117)	17640 (156233)	19600 (4409)	204.4
15680 (138874)	15	25	1.0	1.0	1960 (17359)	20580 (182272)	39200 (347185)	29400 (6614)	245.9