



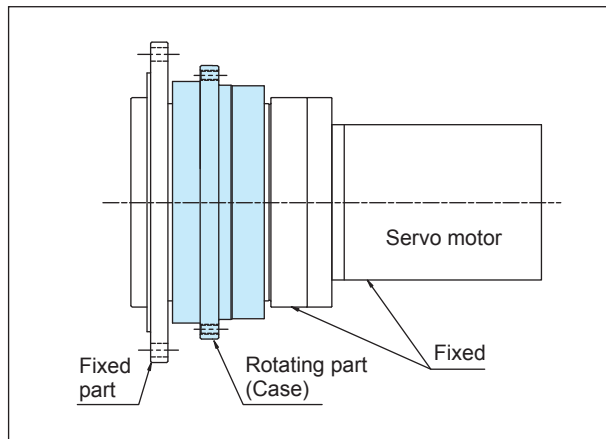
Rating Table

Model	Speed Ratio					To Rated Torque	No Rated Output Speed	K Rated Life	Ts1 Allowable Acceleration/ Deceleration Torque	Ts2 Momentary Maximum Allowable Torque
						N-m (kgf-m)	rpm	Hr	N-m (kgf-m)	N-m (kgf-m)
RA-EA Series										
RA-20EA	80	104	120	140	160	167 (17)	15	6000	412 (42)	833 (85)
RA-40EA	80	104	120	152		412 (42)	15	6000	1029 (105)	2058 (210)
RA-80EA	80	100	120	152		784 (80)	15	6000	1960 (200)	3920 (400)
RA-160EA	80	100	128	144	170	1568 (160)	15	6000	3920 (400)	7840 (800)
RA-EC Series										
RA-20EC	81	105	121	141	161	167 (17)	15	6000	412 (42)	833 (85)
RA-40EC	81	105	121	153		412 (42)	15	6000	1029 (105)	2058 (210)
RA-80EC	81	101	121	153		784 (80)	15	6000	1960 (200)	3920 (400)
RA-160EC	81	101	129	145	171	1568 (160)	15	6000	3920 (400)	7840 (800)

- Note: 1. The Rating Table shows the specification values of each individual reduction gear.
 2. The allowable output speed may be limited by heat depending on the operating rate.
 3. For the inertia moment of the reduction gears, refer to the Product Summary Sheet.
 4. For dimensions α and L, refer to "Allowable Moment and Maximum Thrust Load."

Ns1 Allowable Output Speed [Continuous] Note 2 rpm	Ns2 Allowable Output Speed [Intermittent] Note 2 rpm	Backlash arc.min.	Lost Motion arc.min.	Torsional Rigidity (Spring Constant) N-m/ arc.min. (kgf-m/ arc.min.)	Capacity of main bearing					Mass kg
					Mo Allowable Moment N-m (kgf-m)	Ms1 Momentary Maximum Allowable Moment N-m (kgf-m)	Fo Maximum Thrust Load N (kgf)	α Dimension α Note 4 mm	L Dimension L Note 4 mm	
45	75	1.0	1.0	49 (5)	882 (90)	1764 (180)	3920 (400)	63.1	113.3	10
42	70	1.0	1.0	108 (11)	1666 (170)	3332 (340)	5194 (530)	83.1	143.7	18.5
42	70	1.0	1.0	196 (20)	2156 (220)	4312 (440)	7840 (800)	81.5	166	28
27	45	1.0	1.0	392 (40)	3920 (400)	7840 (800)	14700 (1500)	93.8	210.9	58
45	75	1.0	1.0	49 (5)	882 (90)	1764 (180)	3920 (400)	122.2	113.3	9.5
42	70	1.0	1.0	108 (11)	1666 (170)	3332 (340)	5194 (530)	148.1	143.7	20
42	70	1.0	1.0	196 (20)	2156 (220)	4312 (440)	7840 (800)	158.4	166	27
27	45	1.0	1.0	392 (40)	3920 (400)	7840 (800)	14700 (1500)	201.8	210.9	59

RA-EA Series (Case rotating type)



RA-EC Series (Shaft rotating type)

