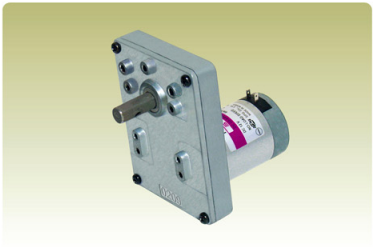
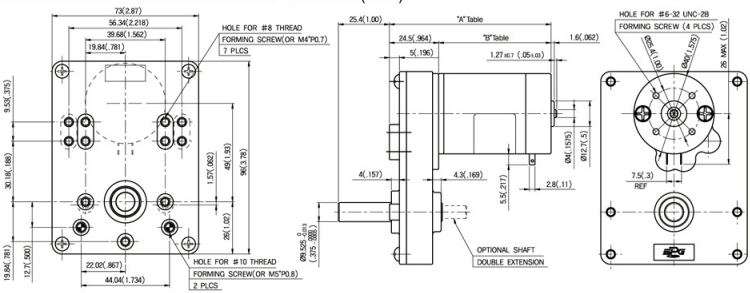


SQ SERIES COMPACT DC GEARED MOTOR

MOTOR DIMENSION

unit:mm(inch)



GEARED MOTOR DIMENSION (Table)

unit:mm(inch)

TYPE	"A" DIMENSION	"B" DIMENSION
RM42□□□	71.0 mm (2.795)	46.5 mm (1.831)
RM43□□□	80.5 mm (3.169)	56.0 mm (2.205)

TYPE	"A" DIMENSION	"B" DIMENSION
RM44□□□	85.5 mm (3.366)	61.0 mm (2.402)
RM45□□□	91.2 mm (3.591)	66.7 mm (2.626)
RM46□□□	102.1 mm (4.020)	77.6 mm (3.055)

GEAR HEAD RATED LOAD

(at DC 24V)

TYPE	GEAR RATIO	68	125	146	169	192	225	444	518	844	1240
RM42□□□	rpm	103	56	48	42	37	31	16	14	8	6
	kg-cm	9	16	19	22	25	30	52	61	100	144
	N.m (lb-in)	0.9(8)	1.6(14)	1.9(17)	2.2(19)	2.5(22)	2.9(26)	5.1(46)	6.0(53)	9.8(87)	14.1(125)
RM43□□□	rpm	88	48	41	35	31	27	13	11	7	5
	kg-cm	14	26	31	36	41	48	84	99	144	144
	N.m (lb-in)	1.4(12)	2.6(23)	3.0(27)	3.5(31)	4.0(35)	4.7(41)	8.3(73)	9.7(86)	14.1(125)	14.1(125)
RM44□□□	rpm	90	49	42	36	32	27	14	12	7	5
	kg-cm	15	27	32	37	42	49	87	102	144	144
	N.m (lb-in)	1.5(13)	2.7(24)	3.1(28)	3.6(32)	4.1(36)	4.8(43)	8.6(76)	10.0(89)	14.1(125)	14.1(125)
RM45□□□	rpm	93	51	43	38	33	28	14	12	8	5
	kg-cm	18	34	39	45	52	61	107	125	144	144
	N.m (lb-in)	1.8(16)	3.3(29)	3.9(34)	4.5(39)	5.1(45)	5.9(53)	10.5(93)	12.3(109)	14.1(125)	14.1(125)
RM46□□□	rpm	72	39	34	29	26	22	11	9	6	4
	kg-cm	25	46	53	62	70	82	144	144	144	144
	N.m (lb-in)	2.4(22)	4.5(40)	5.2(46)	6.0(53)	6.9(61)	8.0(71)	14.1(125)	14.1(125)	14.1(125)	14.1(125)

- It is the permissible torque of the assembled motor and gearhead
  The permissible torque of the assembled with motor and inter-decimal gearhead is 144kg·cm(125lb·in).
- □color indicates that the output shaft of the geared motor rotates in the same direction as the output shaft of the motor.
  Others indicate rotation in the opposite direction.
- Rotational speed based on no-load speed divided by gear ratio.
  The actual rotation speed is less 2-20% than the displayed value according to the load