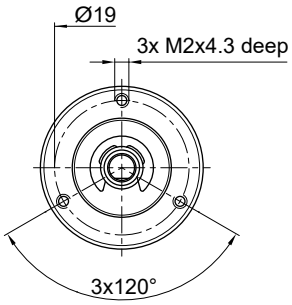
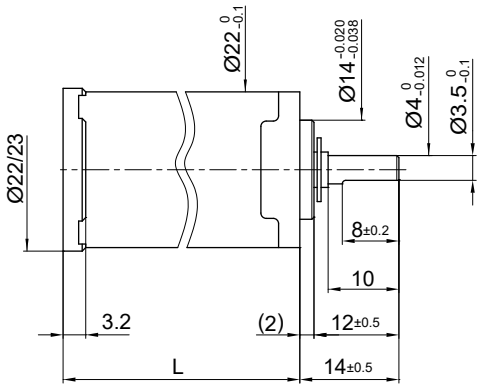
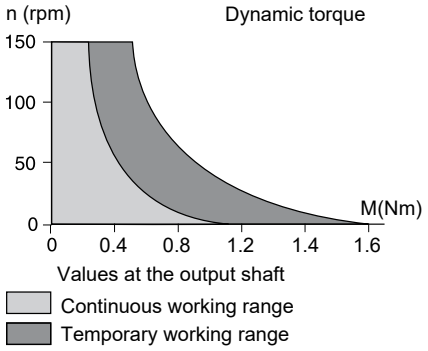
R22

Ø 22 mm • Planetary Gearbox • 0.6 Nm







Dimensions in mm.

Ratio			5.75	16.2	19.4	27.6	33.1	65.5	93.2	111	132	159	190	376	641	1090
1	Number of Gear Stages		1	2	2	2	2	3	3	3	3	3	3	4	4	4
2	Direction of Rotation		=	=	=	=	=	=	=	=	=	=	=	=	=	=
3	Efficiency		0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
4	L (mm)		25	32.5	32.5	32.5	32.5	40	40	40	40	40	40	40	40	40
5	Weight	g	20	25	25	25	25	30	30	30	30	30	30	33	33	33
		(oz)	(0.705)	(0.881)	(0.881)	(0.881)	(0.881)	(0.881)	(1.058)	(1.058)	(1.058)	(1.058)	(1.058)	(1.164)	(1.164)	(1.164)
6	**Available with Motor – L2 - Length with motor (mm)**															
	22S78		51	58.5	58.5	58.5	58.5	66	66	66	66	66	66	66	66	66
	22N78		57	64.5	64.5	64.5	64.5	72	72	72	72	72	72	72	72	72
	23GST82		60.1	67.6	67.6	67.6	67.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
	26N58		68.3	75.8	75.8	75.8	75.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
	26N48		67.1	74.6	74.6	74.6	74.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	28L18/28		68.5	76	76	76	76	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
	28LT12		66.2	73.7	73.7	73.7	73.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
	P310		42.4	49.9	49.9	49.9	49.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	22DCP/22DCT/24DCT		55*	62.5	62.5	62.5	62.5	70	70*	70	70	70	70	70	70	70
	22ECP35 / 22ECT35		60	67.5	67.5	67.5	67.5	75	75	75	75	75	75	75	75	75
	22ECP45		70	77.5	77.5	77.5	77.5	85	85	85	85	85	85	85	85	85
	22ECT48		73	80.5	80.5	80.5	80.5	88	88	88	88	88	88	88	88	88
	22ECP60 / 22ECT60		85	92.5	92.5	92.5	92.5	100	100	100	100	100	100	100	100	100
	22ECT82		107	114.5	114.5	114.5	114.5	122	122	122	122	122	122	122	122	122

Characteristics		Unit	R22 • 0 • ····	R22 2R • 0 • ····
7	Shaft Bearings		Sleeve	Ball Bearing
8	Maximum Static Torque	Nm (oz-in)	2 (283)	2 (283)
9	Maximum Radial Force			
	@ 8mm from mounting face	N (lb)	10 (2.2)	15 (3.3)
10	Maximum Axial Force	N (lb)	10 (2.2)	10 (2.2)
11	Maximum Press Fit Force	N (lb)	300 (67.4)	300 (67.4)
12	Average Backlash @ no-load		1.5°	1.5°
13	Average Backlash @ 0.3 Nm		3°	3°
	Shaft Play:			
14	-radial	µm	≤ 25	≤ 10
15	-axial	µm	50-150	50-150
16	Maximum Recommended Input Speed	rpm	5,000	5,000
17	Operating Temperature Range:	°C (°F)	-30 to +65 (-22 to +150)	

Motor + Gearbox = L2

