

Giga Torque GX G8M Basic power rating

(For 12mm belt width)



Table 2-14a

Number of Teeth φ (inch) φ (mm)	Revolution (rpm)														
	22	25	26	27	28	29	30	31	32	33	34	35	36	37	38
10	0.12	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.21	0.22	0.22	0.23	0.24
20	0.19	0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.36	0.37	0.38
30	0.25	0.30	0.32	0.34	0.35	0.37	0.38	0.40	0.42	0.43	0.45	0.47	0.48	0.50	0.51
40	0.31	0.38	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60	0.62	0.64
50	0.37	0.45	0.47	0.50	0.52	0.55	0.57	0.60	0.62	0.65	0.67	0.70	0.72	0.75	0.77
60	0.43	0.52	0.55	0.58	0.61	0.63	0.66	0.69	0.72	0.75	0.78	0.81	0.84	0.87	0.90
70	0.49	0.59	0.62	0.65	0.69	0.72	0.75	0.79	0.82	0.85	0.89	0.92	0.95	0.98	1.02
80	0.54	0.65	0.69	0.73	0.77	0.80	0.84	0.88	0.92	0.95	0.99	1.03	1.06	1.10	1.14
90	0.60	0.72	0.76	0.80	0.85	0.89	0.93	0.97	1.01	1.05	1.09	1.14	1.18	1.22	1.26
100	0.65	0.79	0.83	0.88	0.92	0.97	1.02	1.06	1.11	1.15	1.20	1.24	1.29	1.33	1.38
200	1.16	1.42	1.50	1.59	1.68	1.76	1.84	1.93	2.01	2.10	2.18	2.27	2.35	2.43	2.52
300	1.64	2.02	2.14	2.26	2.39	2.51	2.63	2.75	2.88	3.00	3.12	3.24	3.36	3.48	3.61
400	2.11	2.59	2.75	2.91	3.08	3.24	3.39	3.55	3.71	3.87	4.03	4.19	4.35	4.50	4.66
500	2.56	3.15	3.35	3.55	3.75	3.94	4.14	4.33	4.53	4.72	4.92	5.11	5.30	5.50	5.69
600	3.00	3.70	3.94	4.17	4.40	4.63	4.87	5.10	5.33	5.56	5.79	6.02	6.25	6.48	6.70
700	3.43	4.24	4.51	4.78	5.05	5.31	5.58	5.85	6.11	6.38	6.64	6.91	7.17	7.44	7.70
800	3.85	4.77	5.07	5.38	5.68	5.98	6.29	6.59	6.89	7.19	7.49	7.79	8.09	8.39	8.68
900	4.26	5.29	5.63	5.97	6.31	6.65	6.98	7.32	7.65	7.99	8.32	8.66	8.99	9.32	9.65
1000	4.67	5.80	6.18	6.55	6.93	7.30	7.67	8.04	8.41	8.78	9.15	9.52	9.88	10.25	10.61
1100	5.08	6.31	6.72	7.13	7.54	7.94	8.35	8.75	9.16	9.56	9.96	10.36	10.76	11.16	11.56
1200	5.47	6.81	7.26	7.70	8.14	8.58	9.02	9.46	9.90	10.33	10.77	11.21	11.64	12.07	12.51
1300	5.87	7.31	7.79	8.26	8.74	9.22	9.69	10.16	10.63	11.10	11.57	12.04	12.51	12.97	13.44
1400	6.26	7.80	8.32	8.82	9.33	9.84	10.35	10.85	11.36	11.86	12.36	12.87	13.37	13.87	14.36
1500	6.64	8.29	8.84	9.38	9.92	10.47	11.00	11.54	12.08	12.62	13.15	13.69	14.22	14.75	15.28
1600	7.03	8.77	9.35	9.93	10.51	11.08	11.65	12.23	12.80	13.37	13.93	14.50	15.06	15.63	16.19
1700	7.41	9.25	9.87	10.48	11.09	11.69	12.30	12.90	13.51	14.11	14.71	15.31	15.91	16.50	17.10
1800	7.78	9.73	10.38	11.02	11.66	12.30	12.94	13.58	14.21	14.85	15.48	16.11	16.74	17.37	18.00
1900	8.15	10.20	10.88	11.56	12.23	12.91	13.58	14.25	14.91	15.58	16.24	16.91	17.57	18.23	18.89
2000	8.52	10.67	11.38	12.09	12.80	13.51	14.21	14.91	15.61	16.31	17.00	17.70	18.39	19.09	19.78
2200	9.25	11.60	12.38	13.15	13.92	14.69	15.46	16.23	16.99	17.75	18.51	19.27	20.02	20.78	21.53
2400	9.98	12.51	13.36	14.19	15.03	15.87	16.69	17.52	18.35	19.18	20.00	20.82	21.64	22.45	23.27
2600	10.69	13.42	14.32	15.22	16.13	17.02	17.92	18.81	19.70	20.58	21.47	22.35	23.23	24.11	24.99
2800	11.39	14.31	15.28	16.25	17.21	18.17	19.12	20.08	21.03	21.98	22.92	23.87	24.81	25.75	26.68
3000	12.08	15.20	16.23	17.25	18.28	19.30	20.32	21.34	22.35	23.36	24.36	25.37	26.37	27.36	28.36
3500	13.78	17.36	18.55	19.73	20.91	22.09	23.25	24.42	25.58	26.74	27.90	29.05	30.19	31.34	32.48
4000	15.43	19.47	20.81	22.14	23.47	24.80	26.11	27.43	28.74	30.04	31.34	32.63	33.92	35.20	36.49
4500	17.04	21.54	23.02	24.50	25.98	27.45	28.90	30.36	31.81	33.25	34.69	36.13	37.55	38.97	40.39
5000	18.60	23.55	25.18	26.80	28.42	30.03	31.63	33.22	34.81	36.39	37.96	39.53	41.08	42.63	44.18
5500	20.13	25.51	27.28	29.04	30.80	32.55	34.28	36.01	37.74	39.44	41.15	42.84	44.52	46.20	47.86

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.



Giga Torque GX G8M Basic power rating

(For 12mm belt width)



Table 2-14a

Revolution (rpm)	Number of Teeth		39	40	41	42	45	48	50	53	56	60	63	67	71	75	80
	ϕ (inch)	ϕ (mm)	3.910	4.010	4.110	4.211	4.511	4.812	5.013	5.314	5.614	6.015	6.316	6.717	7.118	7.519	8.020
			99.31	101.86	104.41	106.95	114.59	122.23	127.32	134.96	142.60	152.79	160.43	170.61	180.80	190.99	203.72
10			0.24	0.25	0.26	0.26	0.29	0.31	0.32	0.34	0.36	0.39	0.41	0.44	0.47	0.50	0.53
20			0.39	0.40	0.41	0.43	0.46	0.50	0.52	0.55	0.59	0.63	0.67	0.71	0.76	0.81	0.86
30			0.53	0.55	0.56	0.58	0.63	0.67	0.71	0.75	0.80	0.86	0.91	0.97	1.04	1.10	1.18
40			0.66	0.68	0.70	0.73	0.79	0.85	0.89	0.95	1.01	1.09	1.15	1.23	1.31	1.39	1.48
50			0.80	0.82	0.84	0.87	0.94	1.02	1.06	1.14	1.21	1.31	1.38	1.47	1.57	1.66	1.78
60			0.92	0.95	0.98	1.01	1.10	1.18	1.24	1.32	1.41	1.52	1.60	1.72	1.83	1.94	2.08
70			1.05	1.08	1.12	1.15	1.25	1.34	1.41	1.51	1.60	1.73	1.83	1.95	2.08	2.21	2.37
80			1.18	1.21	1.25	1.29	1.40	1.51	1.58	1.69	1.80	1.94	2.05	2.19	2.33	2.48	2.65
90			1.30	1.34	1.38	1.42	1.54	1.66	1.75	1.87	1.99	2.15	2.27	2.43	2.58	2.74	2.94
100			1.42	1.47	1.51	1.56	1.69	1.82	1.91	2.04	2.18	2.35	2.48	2.66	2.83	3.00	3.22
200			2.60	2.68	2.77	2.85	3.10	3.35	3.51	3.76	4.00	4.33	4.57	4.90	5.22	5.54	5.94
300			3.73	3.85	3.97	4.09	4.45	4.80	5.04	5.40	5.75	6.22	6.57	7.04	7.51	7.97	8.55
400			4.82	4.97	5.13	5.29	5.75	6.22	6.53	6.99	7.45	8.07	8.52	9.13	9.74	10.34	11.09
500			5.88	6.08	6.27	6.46	7.03	7.61	7.99	8.55	9.12	9.87	10.43	11.18	11.92	12.66	13.58
600			6.93	7.16	7.39	7.61	8.29	8.97	9.42	10.09	10.76	11.64	12.31	13.19	14.06	14.94	16.03
700			7.96	8.23	8.49	8.75	9.53	10.31	10.83	11.60	12.37	13.39	14.15	15.17	16.18	17.19	18.44
800			8.98	9.28	9.57	9.87	10.75	11.63	12.22	13.09	13.96	15.12	15.98	17.12	18.27	19.40	20.82
900			9.98	10.32	10.65	10.97	11.96	12.94	13.59	14.56	15.53	16.82	17.78	19.06	20.33	21.59	23.17
1000			10.98	11.34	11.71	12.07	13.15	14.23	14.95	16.02	17.09	18.51	19.57	20.97	22.37	23.76	25.49
1100			11.96	12.36	12.76	13.15	14.34	15.52	16.30	17.47	18.63	20.18	21.33	22.87	24.39	25.91	27.79
1200			12.94	13.37	13.80	14.23	15.51	16.79	17.63	18.90	20.16	21.84	23.08	24.74	26.39	28.03	30.07
1300			13.90	14.37	14.83	15.29	16.67	18.04	18.96	20.32	21.68	23.48	24.82	26.60	28.37	30.14	32.33
1400			14.86	15.36	15.85	16.35	17.82	19.29	20.27	21.73	23.18	25.10	26.54	28.44	30.34	32.23	34.57
1500			15.81	16.34	16.87	17.39	18.97	20.53	21.57	23.12	24.67	26.72	28.25	30.27	32.29	34.29	36.78
1600			16.75	17.32	17.88	18.43	20.10	21.76	22.86	24.51	26.15	28.32	29.94	32.09	34.22	36.34	38.98
1700			17.69	18.28	18.88	19.47	21.23	22.98	24.15	25.89	27.62	29.91	31.62	33.88	36.14	38.38	41.15
1800			18.62	19.25	19.87	20.49	22.35	24.20	25.42	27.25	29.07	31.49	33.29	35.67	38.04	40.39	43.31
1900			19.55	20.20	20.86	21.51	23.46	25.40	26.69	28.61	30.52	33.05	34.94	37.44	39.92	42.39	45.45
2000			20.46	21.15	21.84	22.52	24.57	26.60	27.94	29.96	31.96	34.61	36.58	39.20	41.79	44.37	47.57
2200			22.28	23.03	23.78	24.53	26.75	28.97	30.43	32.62	34.80	37.68	39.83	42.67	45.49	48.28	51.74
2400			24.08	24.89	25.70	26.51	28.91	31.31	32.89	35.26	37.61	40.72	43.03	46.09	49.12	52.13	55.85
2600			25.86	26.73	27.60	28.46	31.05	33.62	35.32	37.85	40.37	43.70	46.18	49.45	52.70	55.91	59.87
2800			27.61	28.54	29.47	30.40	33.16	35.90	37.71	40.42	43.10	46.65	49.29	52.77	56.21	59.62	63.82
3000			29.35	30.34	31.33	32.31	35.24	38.15	40.08	42.95	45.80	49.55	52.34	56.02	59.66	63.26	67.69
3500			33.61	34.74	35.87	37.00	40.35	43.67	45.86	49.13	52.36	56.62	59.78	63.93	-	-	-
4000			37.76	39.03	40.30	41.55	45.31	49.02	51.46	55.10	58.69	63.42	-	-	-	-	-
4500			41.79	43.19	44.59	45.98	50.11	54.19	56.87	60.85	-	-	-	-	-	-	-
5000			45.71	47.24	48.76	50.27	54.76	59.18	-	-	-	-	-	-	-	-	-
5500			49.51	51.16	52.80	54.43	59.25	-	-	-	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.
 * Contact us if the revolution is less than minimum revolution in the above table.



Giga Torque GX G8M Basic power rating (torque)

(For 12mm belt width)



Table 2-14b

Number of Teeth φ (inch) φ (mm)	22	25	26	27	28	29	30	31	32	33	34	35	36	37	38
	2.206	2.506	2.607	2.707	2.807	2.907	3.008	3.108	3.208	3.308	3.409	3.509	3.609	3.709	3.810
Revolution (rpm)	56.02	63.66	66.21	68.75	71.30	73.85	76.39	78.94	81.49	84.03	86.58	89.13	91.67	94.22	96.77
10	117	137	144	151	158	165	172	178	185	192	199	206	212	219	226
20	91	108	114	119	125	131	136	142	147	153	159	164	170	176	181
30	81	96	102	107	112	117	122	128	133	138	143	148	153	158	164
40	75	90	95	100	105	110	115	119	124	129	134	139	144	149	154
50	71	86	90	95	100	105	109	114	119	124	128	133	138	143	147
60	68	82	87	92	96	101	106	110	115	120	124	129	133	138	142
70	66	80	85	89	94	98	103	107	112	116	121	125	130	134	139
80	65	78	83	87	92	96	101	105	109	114	118	123	127	132	136
90	63	77	81	85	90	94	99	103	107	112	116	121	125	129	134
100	62	75	80	84	88	93	97	101	106	110	114	119	123	127	132
200	55	68	72	76	80	84	88	92	96	100	104	108	112	116	120
300	52	64	68	72	76	80	84	88	92	95	99	103	107	111	115
400	50	62	66	70	73	77	81	85	89	92	96	100	104	108	111
500	49	60	64	68	72	75	79	83	86	90	94	98	101	105	109
600	48	59	63	66	70	74	77	81	85	88	92	96	99	103	107
700	47	58	62	65	69	73	76	80	83	87	91	94	98	101	105
800	46	57	61	64	68	71	75	79	82	86	89	93	97	100	104
900	45	56	60	63	67	71	74	78	81	85	88	92	95	99	102
1000	45	55	59	63	66	70	73	77	80	84	87	91	94	98	101
1100	44	55	58	62	65	69	72	76	80	83	86	90	93	97	100
1200	44	54	58	61	65	68	72	75	79	82	86	89	93	96	100
1300	43	54	57	61	64	68	71	75	78	82	85	88	92	95	99
1400	43	53	57	60	64	67	71	74	77	81	84	88	91	95	98
1500	42	53	56	60	63	67	70	73	77	80	84	87	91	94	97
1600	42	52	56	59	63	66	70	73	76	80	83	87	90	93	97
1700	42	52	55	59	62	66	69	72	76	79	83	86	89	93	96
1800	41	52	55	58	62	65	69	72	75	79	82	85	89	92	95
1900	41	51	55	58	61	65	68	72	75	78	82	85	88	92	95
2000	41	51	54	58	61	64	68	71	75	78	81	85	88	91	94
2200	40	50	54	57	60	64	67	70	74	77	80	84	87	90	93
2400	40	50	53	56	60	63	66	70	73	76	80	83	86	89	93
2600	39	49	53	56	59	63	66	69	72	76	79	82	85	89	92
2800	39	49	52	55	59	62	65	68	72	75	78	81	85	88	91
3000	38	48	52	55	58	61	65	68	71	74	78	81	84	87	90
3500	38	47	51	54	57	60	63	67	70	73	76	79	82	86	89
4000	37	46	50	53	56	59	62	65	69	72	75	78	81	84	87
4500	36	46	49	52	55	58	61	64	68	71	74	77	80	83	86
5000	36	45	48	51	54	57	60	63	66	70	73	76	78	81	84
5500	35	44	47	50	53	57	60	63	66	68	71	74	77	80	83

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.



Giga Torque GX G8M Basic power rating (torque)

(For 12mm belt width)

Table 2-14b



Revolution (rpm)	Number of Teeth		39	40	41	42	45	48	50	53	56	60	63	67	71	75	80
	ϕ (inch)	ϕ (mm)	3.910	4.010	4.110	4.211	4.511	4.812	5.013	5.314	5.614	6.015	6.316	6.717	7.118	7.519	8.020
			99.31	101.86	104.41	106.95	114.59	122.23	127.32	134.96	142.60	152.79	160.43	170.61	180.80	190.99	203.72
10			233	239	246	253	273	293	307	327	347	374	394	420	447	473	506
20			187	192	198	203	220	237	248	264	281	303	319	341	363	385	412
30			169	174	179	184	199	215	225	240	255	275	290	310	330	350	375
40			159	163	168	173	188	202	212	226	241	260	274	293	312	331	354
50			152	157	161	166	180	194	203	217	231	249	263	281	300	318	341
60			147	152	156	161	174	188	197	210	224	242	255	273	291	309	331
70			143	148	152	157	170	183	192	205	219	236	249	267	284	301	323
80			140	145	149	154	167	180	188	201	214	232	244	262	279	296	317
90			138	142	147	151	164	177	185	198	211	228	240	257	274	291	312
100			136	140	144	149	161	174	183	195	208	225	237	254	270	287	308
200			124	128	132	136	148	160	168	179	191	207	218	234	249	265	284
300			119	122	126	130	142	153	160	172	183	198	209	224	239	254	272
400			115	119	123	126	137	149	156	167	178	193	203	218	232	247	265
500			112	116	120	123	134	145	153	163	174	189	199	213	228	242	259
600			110	114	118	121	132	143	150	161	171	185	196	210	224	238	255
700			109	112	116	119	130	141	148	158	169	183	193	207	221	234	252
800			107	111	114	118	128	139	146	156	167	180	191	204	218	232	248
900			106	109	113	116	127	137	144	155	165	178	189	202	216	229	246
1000			105	108	112	115	126	136	143	153	163	177	187	200	214	227	243
1100			104	107	111	114	124	135	141	152	162	175	185	199	212	225	241
1200			103	106	110	113	123	134	140	150	160	174	184	197	210	223	239
1300			102	106	109	112	122	133	139	149	159	172	182	195	208	221	238
1400			101	105	108	112	122	132	138	148	158	171	181	194	207	220	236
1500			101	104	107	111	121	131	137	147	157	170	180	193	206	218	234
1600			100	103	107	110	120	130	136	146	156	169	179	192	204	217	233
1700			99	103	106	109	119	129	136	145	155	168	178	190	203	216	231
1800			99	102	105	109	119	128	135	145	154	167	177	189	202	214	230
1900			98	102	105	108	118	128	134	144	153	166	176	188	201	213	228
2000			98	101	104	108	117	127	133	143	153	165	175	187	200	212	227
2200			97	100	103	106	116	126	132	142	151	164	173	185	197	210	225
2400			96	99	102	105	115	125	131	140	150	162	171	183	195	207	222
2600			95	98	101	105	114	123	130	139	148	161	170	182	194	205	220
2800			94	97	101	104	113	122	129	138	147	159	168	180	192	203	218
3000			93	97	100	103	112	121	128	137	146	158	167	178	190	201	215
3500			92	95	98	101	110	119	125	134	143	155	163	174	-	-	-
4000			90	93	96	99	108	117	123	132	140	151	-	-	-	-	-
4500			89	92	95	98	106	115	121	129	-	-	-	-	-	-	-
5000			87	90	93	96	105	113	-	-	-	-	-	-	-	-	-
5500			86	89	92	95	103	-	-	-	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.

2

Design



Giga Torque GX G14M Basic power rating

(For 20mm belt width)



Table 2-15a

Number of Teeth φ (inch) φ (mm)	Revolutions (rpm)														
	28	29	30	31	32	33	34	35	36	37	38	39	40	43	45
10	0.95	0.99	1.03	1.06	1.10	1.14	1.18	1.21	1.25	1.29	1.32	1.36	1.40	1.51	1.58
20	1.50	1.56	1.62	1.68	1.74	1.80	1.86	1.92	1.98	2.04	2.10	2.16	2.22	2.40	2.52
30	2.01	2.09	2.18	2.26	2.34	2.42	2.50	2.58	2.66	2.75	2.83	2.91	2.99	3.23	3.39
40	2.50	2.60	2.71	2.81	2.91	3.01	3.12	3.22	3.32	3.42	3.52	3.62	3.72	4.02	4.23
50	2.97	3.10	3.22	3.34	3.47	3.59	3.71	3.83	3.95	4.07	4.20	4.32	4.44	4.80	5.04
60	3.44	3.58	3.72	3.86	4.01	4.15	4.29	4.43	4.57	4.71	4.85	4.99	5.13	5.55	5.83
70	3.89	4.05	4.21	4.38	4.54	4.70	4.86	5.02	5.18	5.34	5.50	5.66	5.82	6.29	6.61
80	4.33	4.51	4.70	4.88	5.06	5.24	5.42	5.60	5.78	5.96	6.14	6.31	6.49	7.02	7.38
90	4.77	4.97	5.17	5.37	5.57	5.77	5.97	6.17	6.37	6.56	6.76	6.96	7.15	7.74	8.13
100	5.20	5.42	5.64	5.86	6.08	6.30	6.51	6.73	6.95	7.16	7.38	7.59	7.81	8.45	8.88
200	9.29	9.69	10.09	10.49	10.89	11.28	11.68	12.07	12.47	12.86	13.25	13.64	14.03	15.19	15.97
300	13.12	13.69	14.26	14.83	15.39	15.96	16.52	17.08	17.65	18.20	18.76	19.32	19.87	21.53	22.63
400	16.78	17.51	18.25	18.98	19.71	20.44	21.16	21.89	22.61	23.33	24.05	24.76	25.48	27.61	29.02
500	20.32	21.21	22.10	23.00	23.88	24.77	25.65	26.53	27.41	28.29	29.16	30.03	30.90	33.49	35.21
600	23.75	24.80	25.85	26.90	27.94	28.98	30.02	31.05	32.09	33.11	34.14	35.16	36.18	39.22	41.24
700	27.11	28.31	29.52	30.72	31.91	33.10	34.29	35.47	36.65	37.83	39.00	40.17	41.34	44.82	47.13
800	30.39	31.75	33.10	34.45	35.79	37.13	38.47	39.80	41.13	42.45	43.77	45.09	46.40	50.31	52.90
900	33.61	35.12	36.62	38.12	39.61	41.09	42.57	44.05	45.52	46.98	48.45	49.91	51.36	55.69	58.57
1000	36.78	38.43	40.08	41.72	43.35	44.98	46.61	48.22	49.84	51.44	53.05	54.65	56.24	60.99	64.13
1100	39.90	41.69	43.48	45.27	47.04	48.81	50.58	52.33	54.09	55.83	57.57	59.31	61.04	66.20	69.61
1160	41.74	43.62	45.50	47.37	49.23	51.08	52.93	54.77	56.61	58.43	60.26	62.08	63.88	69.28	72.86
1200	42.97	44.90	46.83	48.76	50.67	52.59	54.49	56.38	58.28	60.16	62.03	63.91	65.77	71.33	75.00
1300	45.99	48.07	50.14	52.21	54.26	56.31	58.35	60.38	62.40	64.42	66.43	68.44	70.43	76.38	80.32
1400	48.98	51.19	53.40	55.60	57.79	59.98	62.15	64.32	66.48	68.62	70.77	72.90	75.03	81.36	85.55
1500	51.92	54.27	56.62	58.96	61.28	63.60	65.91	68.20	70.49	72.77	75.04	77.31	79.56	86.28	90.72
1600	54.83	57.32	59.80	62.27	64.73	67.18	69.62	72.04	74.46	76.87	79.27	81.66	84.04	91.13	95.81
1700	57.71	60.33	62.94	65.55	68.13	70.71	73.28	75.83	78.38	80.91	83.44	85.95	88.46	95.91	100.83
1800	60.55	63.30	66.05	68.78	71.50	74.20	76.90	79.58	82.25	84.91	87.56	90.20	92.82	100.63	105.79
1900	63.36	66.24	69.12	71.98	74.82	77.66	80.48	83.28	86.08	88.85	91.63	94.38	97.13	105.29	110.68
2000	66.14	69.15	72.15	75.14	78.11	81.07	84.01	86.94	89.86	92.75	95.64	98.52	101.38	109.89	115.50
2200	71.61	74.87	78.13	81.36	84.57	87.78	90.97	94.13	97.28	100.41	103.54	106.65	109.73	118.90	124.95
2400	76.96	80.47	83.97	87.45	90.90	94.34	97.76	101.16	104.54	107.90	111.24	114.57	117.87	127.68	134.14
2600	82.21	85.96	89.69	93.40	97.09	100.76	104.40	108.02	111.63	115.20	118.76	122.30	125.81	136.23	143.07
2800	87.34	91.33	95.29	99.23	103.14	107.03	110.90	114.73	118.55	122.33	126.10	129.84	133.55	144.54	151.75
3000	92.38	96.59	100.78	104.94	109.06	113.17	117.25	121.28	125.30	129.29	133.25	137.18	141.08	152.61	160.16
3500	104.51	109.26	113.98	118.67	123.30	127.90	132.47	136.99	141.47	145.91	150.32	154.69	159.00	-	-
4000	116.03	121.27	126.48	131.63	136.72	141.77	146.77	151.70	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.



Giga Torque GX G14M Basic power rating

(For 20mm belt width)



Table 2-15a

Revolution (rpm)	Number of Teeth		48	50	53	56	60	63	67	71	75	80
	ϕ (inch)	ϕ (mm)	8.421	8.772	9.299	9.825	10.527	11.053	11.755	12.457	13.158	14.036
			213.90	222.82	236.19	249.55	267.38	280.75	298.57	316.40	334.23	356.51
10			1.69	1.76	1.87	1.98	2.13	2.24	2.38	2.52	2.67	2.85
20			2.69	2.81	2.98	3.16	3.39	3.57	3.80	4.03	4.26	4.54
30			3.63	3.79	4.02	4.26	4.57	4.81	5.12	5.43	5.74	6.13
40			4.52	4.72	5.02	5.32	5.71	6.00	6.39	6.78	7.17	7.65
50			5.40	5.63	5.99	6.34	6.81	7.16	7.63	8.09	8.56	9.13
60			6.25	6.52	6.93	7.35	7.89	8.30	8.84	9.38	9.91	10.58
70			7.08	7.40	7.86	8.33	8.95	9.41	10.02	10.63	11.24	12.00
80			7.90	8.25	8.78	9.30	9.99	10.50	11.19	11.87	12.55	13.39
90			8.71	9.10	9.68	10.25	11.01	11.58	12.34	13.09	13.84	14.77
100			9.51	9.93	10.57	11.19	12.03	12.65	13.47	14.30	15.11	16.13
200			17.12	17.88	19.03	20.16	21.67	22.79	24.28	25.77	27.24	29.08
300			24.27	25.36	26.98	28.60	30.74	32.34	34.46	36.56	38.66	41.26
400			31.13	32.53	34.62	36.69	39.45	41.50	44.22	46.92	49.61	52.94
500			37.78	39.48	42.01	44.54	47.88	50.37	53.67	56.94	60.20	64.25
600			44.25	46.24	49.22	52.17	56.08	59.00	62.86	66.70	70.51	75.23
700			50.57	52.85	56.25	59.63	64.10	67.43	71.84	76.21	80.56	85.94
800			56.76	59.32	63.14	66.93	71.95	75.68	80.62	85.52	90.38	96.41
900			62.84	65.68	69.90	74.09	79.64	83.76	89.22	94.63	100.00	106.64
1000			68.81	71.92	76.54	81.12	87.19	91.70	97.65	103.56	109.41	116.65
1100			74.69	78.06	83.07	88.03	94.60	99.48	105.93	112.31	118.63	126.44
1160			78.17	81.69	86.93	92.13	98.99	104.09	110.82	117.49	124.08	132.22
1200			80.47	84.10	89.49	94.83	101.89	107.13	114.05	120.90	127.67	136.03
1300			86.17	90.04	95.81	101.52	109.05	114.65	122.03	129.32	136.53	145.42
1400			91.78	95.90	102.03	108.09	116.10	122.03	129.85	137.58	145.21	154.60
1500			97.31	101.67	108.16	114.57	123.02	129.29	137.54	145.68	153.70	163.57
1600			102.76	107.36	114.19	120.94	129.83	136.42	145.08	153.61	162.02	172.34
1700			108.14	112.96	120.13	127.21	136.53	143.42	152.48	161.39	170.16	180.90
1800			113.43	118.49	125.98	133.38	143.11	150.29	159.73	169.01	178.11	-
1900			118.66	123.93	131.74	139.45	149.57	157.04	166.84	176.46	-	-
2000			123.81	129.29	137.41	145.42	155.92	163.67	173.81	-	-	-
2200			133.89	139.78	148.49	157.06	168.28	176.52	-	-	-	-
2400			143.67	149.94	159.20	168.29	-	-	-	-	-	-
2600			153.16	159.79	169.56	-	-	-	-	-	-	-
2800			162.35	169.31	-	-	-	-	-	-	-	-
3000			-	-	-	-	-	-	-	-	-	-
3500			-	-	-	-	-	-	-	-	-	-
4000			-	-	-	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.

2

Design



Giga Torque GX G14M Basic power rating (torque)

(For 20mm belt width)



Table 2-15b

Number of Teeth φ (inch) φ (mm)	Revolutions (rpm)														
	28	29	30	31	32	33	34	35	36	37	38	39	40	43	45
4.912	5.088	5.263	5.439	5.614	5.790	5.965	6.141	6.316	6.492	6.667	6.842	7.018	7.544	7.895	
124.78	129.23	133.69	138.15	142.60	147.06	151.52	155.97	160.43	164.88	169.34	173.80	178.25	191.62	200.54	
10	909	945	980	1016	1052	1087	1123	1158	1193	1229	1264	1299	1334	1440	1510
20	717	746	774	803	832	861	889	918	946	975	1003	1032	1060	1145	1201
30	640	667	693	719	745	771	797	822	848	874	900	925	951	1028	1079
40	597	622	646	671	695	719	744	768	792	817	841	865	889	961	1009
50	568	592	615	639	662	685	709	732	755	778	801	825	848	916	962
60	547	570	592	615	638	660	683	705	728	750	773	795	817	884	928
70	530	553	575	597	619	641	663	685	707	729	750	772	794	859	902
80	517	539	561	582	604	625	647	668	690	711	732	754	775	838	881
90	506	528	549	570	591	612	634	655	676	697	717	738	759	821	863
100	497	518	539	560	581	601	622	643	664	684	705	725	746	807	848
200	444	463	482	501	520	539	558	576	595	614	633	651	670	725	762
300	418	436	454	472	490	508	526	544	562	579	597	615	633	685	720
400	401	418	436	453	471	488	505	523	540	557	574	591	608	659	693
500	388	405	422	439	456	473	490	507	524	540	557	574	590	640	673
600	378	395	412	428	445	461	478	494	511	527	543	560	576	624	656
700	370	386	403	419	435	452	468	484	500	516	532	548	564	612	643
800	363	379	395	411	427	443	459	475	491	507	522	538	554	601	632
900	357	373	389	404	420	436	452	467	483	499	514	530	545	591	621
1000	351	367	383	398	414	430	445	461	476	491	507	522	537	582	612
1100	346	362	378	393	408	424	439	454	470	485	500	515	530	575	604
1160	344	359	375	390	405	421	436	451	466	481	496	511	526	570	600
1200	342	357	373	388	403	418	434	449	464	479	494	509	523	568	597
1300	338	353	368	384	399	414	429	444	458	473	488	503	517	561	590
1400	334	349	364	379	394	409	424	439	453	468	483	497	512	555	584
1500	331	346	360	375	390	405	420	434	449	463	478	492	507	549	578
1600	327	342	357	372	386	401	416	430	444	459	473	487	502	544	572
1700	324	339	354	368	383	397	412	426	440	455	469	483	497	539	566
1800	321	336	350	365	379	394	408	422	436	450	465	479	492	534	561
1900	318	333	347	362	376	390	405	419	433	447	461	474	488	529	556
2000	316	330	345	359	373	387	401	415	429	443	457	470	484	525	552
2200	311	325	339	353	367	381	395	409	422	436	449	463	476	516	542
2400	306	320	334	348	362	375	389	403	416	429	443	456	469	508	534
2600	302	316	329	343	357	370	383	397	410	423	436	449	462	500	526
2800	298	311	325	338	352	365	378	391	404	417	430	443	455	493	518
3000	294	307	321	334	347	360	373	386	399	412	424	437	449	486	510
3500	285	298	311	324	336	349	361	374	386	398	410	422	434	-	-
4000	277	290	302	314	326	338	350	362	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.



Giga Torque GX G14M Basic power rating (torque)

(For 20mm belt width)



Table 2-15b

Revolution (rpm)	Number of Teeth		48	50	53	56	60	63	67	71	75	80
	ϕ (inch)	ϕ (mm)	8.421	8.772	9.299	9.825	10.527	11.053	11.755	12.457	13.158	14.036
			213.90	222.82	236.19	249.55	267.38	280.75	298.57	316.40	334.23	356.51
10			1615	1685	1789	1893	2032	2135	2273	2410	2547	2718
20			1285	1341	1425	1509	1620	1703	1813	1923	2032	2169
30			1155	1205	1281	1356	1456	1531	1630	1729	1828	1951
40			1080	1128	1199	1269	1363	1433	1527	1619	1712	1827
50			1031	1076	1144	1211	1301	1368	1457	1546	1634	1744
60			994	1038	1104	1169	1256	1321	1407	1492	1578	1684
70			966	1009	1073	1136	1221	1284	1367	1451	1534	1637
80			943	985	1048	1110	1192	1254	1336	1417	1498	1599
90			925	966	1027	1088	1169	1229	1309	1389	1469	1567
100			908	949	1009	1069	1149	1208	1287	1365	1443	1541
200			817	854	908	963	1035	1088	1160	1230	1301	1389
300			773	807	859	910	979	1029	1097	1164	1231	1313
400			743	777	827	876	942	991	1056	1120	1184	1264
500			722	754	802	851	914	962	1025	1088	1150	1227
600			704	736	783	830	893	939	1001	1062	1122	1197
700			690	721	767	813	874	920	980	1040	1099	1173
800			678	708	754	799	859	903	962	1021	1079	1151
900			667	697	742	786	845	889	947	1004	1061	1132
1000			657	687	731	775	833	876	933	989	1045	1114
1100			648	678	721	764	821	864	920	975	1030	1098
1160			644	673	716	758	815	857	912	967	1022	1089
1200			640	669	712	755	811	853	908	962	1016	1083
1300			633	661	704	746	801	842	896	950	1003	1068
1400			626	654	696	737	792	832	886	938	991	1055
1500			620	647	689	729	783	823	876	927	979	1041
1600			613	641	682	722	775	814	866	917	967	1029
1700			607	635	675	715	767	806	857	907	956	1016
1800			602	629	668	708	759	797	847	897	945	-
1900			596	623	662	701	752	789	839	887	-	-
2000			591	617	656	694	745	782	830	-	-	-
2200			581	607	645	682	730	766	-	-	-	-
2400			572	597	634	670	-	-	-	-	-	-
2600			563	587	623	-	-	-	-	-	-	-
2800			554	577	-	-	-	-	-	-	-	-
3000			-	-	-	-	-	-	-	-	-	-
3500			-	-	-	-	-	-	-	-	-	-
4000			-	-	-	-	-	-	-	-	-	-

* Calculate the power rating proportionally if requiring revolution is not in the above table.

* Contact us if the revolution is less than minimum revolution in the above table.

2

Design

