

SELECTION OF SYNCHRONOUS BELT DRIVES

〔技術計算〕

伝動 タイミングベルトの選定方法 13

—許容張力表—

表61. 2GT許容張力表：ベルト幅4.0mmあたり(単位：N)

小プーリー 回転数 (rpm)	小プーリー歯数		ピッチ円直径 (mm)																																	
	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48	50	60	72	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48	50	60	72
20	56.09	57.27	58.45	59.63	60.80	61.98	63.16	64.33	65.51	66.69	67.86	70.22	72.57	74.92	77.28	78.45	84.34	84.34	56.09	57.27	58.45	59.63	60.80	61.98	63.16	64.33	65.51	66.69	67.86	70.22	72.57	74.92	77.28	78.45	84.34	84.34
40	50.60	51.78	52.96	54.13	55.31	56.49	57.66	58.84	60.02	61.20	62.37	64.73	67.08	69.43	71.79	72.96	78.85	78.85	50.60	51.78	52.96	54.13	55.31	56.49	57.66	58.84	60.02	61.20	62.37	64.73	67.08	69.43	71.79	72.96	78.85	78.85
60	47.39	48.57	49.75	50.92	52.10	53.28	54.45	55.63	56.81	57.98	59.16	61.51	63.87	66.22	68.57	69.75	75.64	75.64	47.39	48.57	49.75	50.92	52.10	53.28	54.45	55.63	56.81	57.98	59.16	61.51	63.87	66.22	68.57	69.75	75.64	75.64
100	43.35	44.52	45.70	46.88	48.05	49.23	50.41	51.58	52.76	53.94	55.11	57.47	59.82	62.17	64.53	65.70	71.59	71.59	43.35	44.52	45.70	46.88	48.05	49.23	50.41	51.58	52.76	53.94	55.11	57.47	59.82	62.17	64.53	65.70	71.59	71.59
200	37.85	39.03	40.21	41.38	42.56	43.74	44.92	46.09	47.27	48.45	49.62	51.98	54.33	56.68	59.04	60.21	66.10	66.10	37.85	39.03	40.21	41.38	42.56	43.74	44.92	46.09	47.27	48.45	49.62	51.98	54.33	56.68	59.04	60.21	66.10	66.10
300	34.64	35.82	37.00	38.17	39.35	40.53	41.70	42.88	44.06	45.23	46.41	48.76	51.12	53.47	55.82	57.00	62.89	62.89	34.64	35.82	37.00	38.17	39.35	40.53	41.70	42.88	44.06	45.23	46.41	48.76	51.12	53.47	55.82	57.00	62.89	62.89
400	32.36	33.54	34.72	35.89	37.07	38.25	39.42	40.60	41.78	42.95	44.13	46.49	48.84	51.19	53.55	54.72	60.61	60.61	32.36	33.54	34.72	35.89	37.07	38.25	39.42	40.60	41.78	42.95	44.13	46.49	48.84	51.19	53.55	54.72	60.61	60.61
500	30.60	31.77	32.95	34.13	35.30	36.48	37.66	38.83	40.01	41.19	42.36	44.72	47.07	49.42	51.78	52.96	58.84	58.84	30.60	31.77	32.95	34.13	35.30	36.48	37.66	38.83	40.01	41.19	42.36	44.72	47.07	49.42	51.78	52.96	58.84	58.84
600	29.15	30.33	31.51	32.68	33.86	35.04	36.21	37.39	38.57	39.74	40.92	43.27	45.63	47.98	50.33	51.51	57.39	57.39	29.15	30.33	31.51	32.68	33.86	35.04	36.21	37.39	38.57	39.74	40.92	43.27	45.63	47.98	50.33	51.51	57.39	57.39
700	27.93	29.11	30.28	31.46	32.64	33.81	34.99	36.17	37.34	38.52	39.70	42.05	44.41	46.76	49.11	50.29	56.17	56.17	27.93	29.11	30.28	31.46	32.64	33.81	34.99	36.17	37.34	38.52	39.70	42.05	44.41	46.76	49.11	50.29	56.17	56.17
800	26.87	28.05	29.23	30.40	31.58	32.76	33.93	35.11	36.29	37.46	38.64	40.99	43.35	45.70	48.06	49.23	55.12	55.12	26.87	28.05	29.23	30.40	31.58	32.76	33.93	35.11	36.29	37.46	38.64	40.99	43.35	45.70	48.06	49.23	55.12	55.12
870	26.21	27.39	28.56	29.74	30.92	32.09	33.27	34.45	35.62	36.80	37.98	40.33	42.68	45.04	47.39	48.57	54.45	54.45	26.21	27.39	28.56	29.74	30.92	32.09	33.27	34.45	35.62	36.80	37.98	40.33	42.68	45.04	47.39	48.57	54.45	54.45
900	25.94	27.12	28.29	29.47	30.65	31.82	33.00	34.18	35.35	36.53	37.71	40.06	42.41	44.77	47.12	48.30	54.18	54.18	25.94	27.12	28.29	29.47	30.65	31.82	33.00	34.18	35.35	36.53	37.71	40.06	42.41	44.77	47.12	48.30	54.18	54.18
1000	25.11	26.28	27.46	28.64	29.81	30.99	32.17	33.34	34.52	35.70	36.87	39.23	41.58	43.93	46.29	47.46	53.35	53.35	25.11	26.28	27.46	28.64	29.81	30.99	32.17	33.34	34.52	35.70	36.87	39.23	41.58	43.93	46.29	47.46	53.35	53.35
1160	23.93	25.11	26.28	27.46	28.64	29.81	30.99	32.17	33.34	34.52	35.70	38.05	40.40	42.76	45.11	46.29	52.17	52.17	23.93	25.11	26.28	27.46	28.64	29.81	30.99	32.17	33.34	34.52	35.70	38.05	40.40	42.76	45.11	46.29	52.17	52.17
1200	23.66	24.84	26.01	27.19	28.37	29.54	30.72	31.90	33.08	34.25	35.43	37.78	40.14	42.49	44.84	46.02	51.90	51.90	23.66	24.84	26.01	27.19	28.37	29.54	30.72	31.90	33.08	34.25	35.43	37.78	40.14	42.49	44.84	46.02	51.90	51.90
1400	22.44	23.62	24.79	25.97	27.15	28.32	29.50	30.68	31.85	33.03	34.21	36.56	38.91	41.27	43.62	44.80	50.68	50.68	22.44	23.62	24.79	25.97	27.15	28.32	29.50	30.68	31.85	33.03	34.21	36.56	38.91	41.27	43.62	44.80	50.68	50.68
1450	22.16	23.34	24.52	25.69	26.87	28.05	29.22	30.40	31.58	32.75	33.93	36.28	38.64	40.99	43.34	44.52	50.40	50.40	22.16	23.34	24.52	25.69	26.87	28.05	29.22	30.40	31.58	32.75	33.93	36.28	38.64	40.99	43.34	44.52	50.40	50.40
1600	21.38	22.56	23.74	24.91	26.09	27.27	28.44	29.62	30.80	31.97	33.15	35.50	37.86	40.21	42.56	43.74	49.62	49.62	21.38	22.56	23.74	24.91	26.09	27.27	28.44	29.62	30.80	31.97	33.15	35.50	37.86	40.21	42.56	43.74	49.62	49.62
1750	20.67	21.85	23.03	24.20	25.38	26.56	27.73	28.91	30.09	31.26	32.44	34.79	37.15	39.50	41.85	43.03	48.92	48.92	20.67	21.85	23.03	24.20	25.38	26.56	27.73	28.91	30.09	31.26	32.44	34.79	37.15	39.50	41.85	43.03	48.92	48.92
1800	20.45	21.63	22.80	23.98	25.16	26.33	27.51	28.69	29.86	31.04	32.22	34.57	36.92	39.28	41.63	42.81	48.69	48.69	20.45	21.63	22.80	23.98	25.16	26.33	27.51	28.69	29.86	31.04	32.22	34.57	36.92	39.28	41.63	42.81	48.69	48.69
2000	19.61	20.79	21.97	23.14	24.32	25.50	26.67	27.85	29.03	30.21	31.38	33.74	36.09	38.44	40.80	41.97	47.86	47.86	19.61	20.79	21.97	23.14	24.32	25.50	26.67	27.85	29.03	30.21	31.38	33.74	36.09	38.44	40.80	41.97	47.86	47.86
2400	18.17	19.35	20.52	21.70	22.88	24.05	25.23	26.41	27.58	28.76	29.94	32.29	34.65	37.00	39.35	40.53	46.41	46.41	18.17	19.35	20.52	21.70	22.88	24.05	25.23	26.41	27.58	28.76	29.94	32.29	34.65	37.00	39.35	40.53	46.41	46.41
2800	16.95	18.13	19.30	20.48	21.66	22.83	24.01	25.19	26.36	27.54	28.72	31.07	33.42	35.78	38.13	39.31	45.19	45.19	16.95	18.13	19.30	20.48	21.66	22.83	24.01	25.19	26.36	27.54	28.72	31.07	33.42	35.78	38.13	39.31	45.19	45.19
3200	15.89	17.07	18.24	19.42	20.60	21.77	22.95	24.13	25.31	26.48	27.66	30.01	32.37	34.72	37.07	38.25	44.13	44.13	15.89	17.07	18.24	19.42	20.60	21.77	22.95	24.13	25.31	26.48	27.66	30.01	32.37	34.72	37.07	38.25	44.13	44.13
3600	14.96	16.13	17.31	18.49	19.67	20.84	22.02	23.20	24.37	25.55	26.73	29.08	31.43	33.79	36.14	37.32	43.20	43.20	14.96	16.13	17.31	18.49	19.67	20.84	22.02	23.20	24.37	25.55	26.73	29.08	31.43	33.79	36.14	37.32	43.20	43.20
4000	14.12	15.30	16.48	17.65	18.83	20.01	21.18	22.36	23.54	24.71	25.89	28.24	30.60	32.95	35.31	36.48	42.37	42.37	14.12	15.30	16.48	17.65	18.83	20.01	21.18	22.36	23.54	24.71	25.89	28.24	30.60	32.95	35.31	36.48	42.37	42.37
5000	12.36	13.53	14.71	15.89	17.06	18.24	19.42	20.59	21.77	22.95	24.12	26.48	28.83	31.18	33.54	34.71	40.60	40.60	12.36	13.53	14.71	15.89	17.06	18.24	19.42	20.59	21.77	22.95	24.12	26.48	28.83	31.18	33.54	34.71	40.60	40.60
6000	10.91	12.09	13.26	14.44	15.62	16.80	17.97	19.15	20.33	21.50	22.68	25.03	27.39	29.74	32.09	33.27	39.15	39.15	10.91	12.09	13.26	14.44	15.62	16.80	17.97	19.15	20.33	21.50	22.68	25.03	27.39	29.74	32.09	33.27	39.15	39.15
7000	9.69	10.87	12.04	13.22	14.40	15.57	16.75	17.93	19.10	20.28	21.46	23.81	26.17	28.52	30.87	32.05	37.93	37.93	9.69	10.87	12.04	13.22	14.40	15.57	16.75	17.93	19.10	20.28	21.46	23.81	26.17	28.52	30.87	32.05	37.93	37.93
8000	8.63	9.81	10.99	12.16	13.34	14.52	15.69	16.87	18.05	19.22	20.40	22.75	25.11	27.46	29.81	30.99	36.88	36.88	8.63	9.81	10.99	12.16	13.34	14.52	15.69	16.87	18.05	19.22	20.40	22.75	25.11	27.46	29.81	30.99	36.88	36