



***JASON
TIGER BELT[®]***



***High Horsepower
Synchronous Belts***

THE JASON TIGER BELT[®]

Jason developed the **Tiger Belt**[®] to extend the synchronous belt application range.

Special aramid reinforced compounds, along with improved tooth facing and tensile members provide the muscle for the increased horsepower ratings in this supplement; up to three times that of standard HTB[®] belts.

Laboratory and customer tested tough!



JASON TIGER BELT[®]

HOW TO USE THIS SUPPLEMENT

**This is the supplement to the
Jason Synchronous Belts Technical Manual**

You may use the Drive selection procedures on pages 7 through 12 of the **Jason Technical Manual** to design your **Tiger Belt**[®] Drive.

See page 7 of this bulletin for installation tensions.

HTB[®] Belt Dimensional Data will also apply for **Tiger Belts**[®].

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8M TIGER BELT® WIDTH SELECTION TABLE*

12 MM (.47 IN.) WIDE BELT

No. of Teeth	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
PD	mm	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
	in.	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
SMALLEST SPROCKET rpm	1160	4.09	4.49	4.89	5.30	5.71	6.12	6.53	6.95	7.36	7.78	8.62	9.46	11.16	12.87	14.59	16.32
	1460	4.88	5.36	5.84	6.33	6.81	7.30	7.80	8.29	8.78	9.28	10.28	11.28	13.29	15.32	17.34	19.37
	1750	5.61	6.16	6.72	7.27	7.83	8.39	8.96	9.52	10.09	10.66	11.79	12.94	15.23	17.53	19.82	22.10
	2900	8.26	9.07	9.87	10.68	11.49	12.30	13.11	13.92	14.73	15.54	17.15	18.75	21.92	25.02	28.02	30.92
	3500	9.53	10.45	11.37	12.29	13.21	14.13	15.05	15.96	16.87	17.78	19.58	21.36	24.82	28.13	...	...
	10	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.15	0.18	0.21	0.23	0.26
	20	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.26	0.28	0.33	0.38	0.43	0.48
	40	0.23	0.25	0.27	0.29	0.31	0.34	0.36	0.38	0.40	0.42	0.47	0.51	0.60	0.69	0.78	0.87
	60	0.32	0.35	0.38	0.42	0.45	0.48	0.51	0.54	0.57	0.60	0.67	0.73	0.86	0.99	1.11	1.24
	100	0.50	0.55	0.60	0.65	0.70	0.74	0.79	0.84	0.89	0.94	1.04	1.14	1.34	1.54	1.74	1.94
	200	0.92	1.01	1.10	1.18	1.27	1.36	1.45	1.54	1.63	1.72	1.90	2.08	2.44	2.81	3.18	3.54
	300	1.31	1.43	1.56	1.68	1.81	1.94	2.06	2.19	2.32	2.44	2.70	2.96	3.47	3.99	4.52	5.04
	400	1.68	1.84	2.00	2.16	2.32	2.49	2.65	2.81	2.98	3.14	3.47	3.80	4.46	5.13	5.80	6.47
	500	2.04	2.24	2.43	2.63	2.82	3.02	3.22	3.41	3.61	3.81	4.21	4.61	5.42	6.23	7.04	7.86
	600	2.39	2.62	2.85	3.08	3.31	3.54	3.77	4.00	4.23	4.47	4.93	5.40	6.34	7.29	8.24	9.20
	800	3.07	3.36	3.66	3.95	4.25	4.54	4.84	5.14	5.43	5.73	6.33	6.93	8.14	9.35	10.57	11.79
	1000	3.64	4.00	4.36	4.73	5.09	5.46	5.83	6.20	6.57	6.94	7.69	8.44	9.96	11.50	13.04	14.59
	1200	4.19	4.61	5.02	5.44	5.86	6.28	6.70	7.13	7.56	7.98	8.85	9.71	11.45	13.21	14.97	16.74
	1400	4.73	5.19	5.66	6.13	6.60	7.07	7.55	8.03	8.51	8.99	9.95	10.92	12.88	14.84	16.81	18.78
	1600	5.24	5.75	6.27	6.79	7.31	7.84	8.36	8.89	9.42	9.95	11.02	12.09	14.24	16.40	18.56	20.72
1800	5.74	6.30	6.86	7.43	8.00	8.58	9.15	9.73	10.31	10.89	12.05	13.22	15.55	17.89	20.23	22.55	
2000	6.22	6.83	7.44	8.06	8.67	9.29	9.92	10.54	11.16	11.79	13.04	14.30	16.82	19.32	21.82	24.29	
2500	7.38	8.10	8.82	9.55	10.28	11.01	11.74	12.47	13.20	13.93	15.40	16.86	19.76	22.64	25.46	28.22	
4000	10.53	11.54	12.55	13.55	14.56	15.56	16.55	17.54	18.52	19.50	21.42	23.30	26.92	...	...	...
4500	11.49	12.58	13.67	14.75	15.83	16.90	17.96	19.01	20.05	21.08	23.09	25.04	...	...	...	...
5000	12.41	13.58	14.74	15.89	17.03	18.16	19.27	20.37	21.46	22.52	24.59	26.56	...	...	...	...

22 MM (.87 IN.) WIDE BELT

1160	7.50	8.23	8.98	9.72	10.47	11.23	11.98	12.74	13.51	14.27	15.81	17.36	20.48	23.62	26.78	29.95
1460	8.95	9.83	10.72	11.61	12.50	13.40	14.30	15.21	16.12	17.03	18.86	20.69	24.39	28.10	31.82	35.54
1750	10.30	11.31	12.32	13.34	14.37	15.40	16.43	17.47	18.51	19.55	21.64	23.74	27.94	32.16	36.36	40.55
2900	15.16	16.64	18.12	19.60	21.08	22.57	24.06	25.54	27.03	28.51	31.47	34.41	40.22	45.90	51.42	56.73
3500	17.48	19.17	20.86	22.55	24.24	25.93	27.61	29.29	30.96	32.62	35.92	39.18	45.54	51.62	...	...
10	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.26	0.28	0.33	0.38	0.43	0.48
20	0.23	0.25	0.27	0.29	0.31	0.34	0.36	0.38	0.40	0.43	0.47	0.51	0.60	0.70	0.79	0.88
40	0.42	0.46	0.50	0.54	0.58	0.62	0.66	0.70	0.74	0.78	0.86	0.94	1.10	1.27	1.44	1.60
60	0.59	0.65	0.71	0.76	0.82	0.88	0.93	0.99	1.05	1.11	1.22	1.34	1.57	1.81	2.04	2.28
100	0.92	1.01	1.10	1.19	1.28	1.37	1.46	1.55	1.63	1.72	1.91	2.09	2.45	2.82	3.19	3.56
200	1.69	1.85	2.01	2.17	2.33	2.50	2.66	2.82	2.99	3.15	3.48	3.81	4.48	5.15	5.83	6.50
300	2.40	2.63	2.86	3.09	3.32	3.55	3.79	4.02	4.25	4.49	4.96	5.43	6.37	7.33	8.29	9.25
400	3.08	3.38	3.67	3.97	4.27	4.56	4.86	5.16	5.46	5.76	6.36	6.97	8.19	9.41	10.64	11.88
500	3.75	4.10	4.46	4.82	5.18	5.54	5.90	6.27	6.63	6.99	7.73	8.46	9.94	11.42	12.91	14.41
600	4.39	4.81	5.23	5.65	6.07	6.49	6.92	7.34	7.77	8.19	9.05	9.91	11.64	13.38	15.12	16.88
800	5.64	6.17	6.71	7.25	7.79	8.33	8.88	9.42	9.97	10.52	11.62	12.72	14.93	17.16	19.39	21.63
1000	6.68	7.34	8.00	8.67	9.34	10.01	10.69	11.37	12.05	12.73	14.11	15.49	18.28	21.09	23.92	26.77
1200	7.70	8.45	9.21	9.98	10.75	11.52	12.30	13.08	13.86	14.65	16.23	17.82	21.01	24.23	27.47	30.72
1400	8.67	9.52	10.38	11.24	12.11	12.98	13.85	14.73	15.61	16.49	18.26	20.04	23.63	27.23	30.84	34.46
1600	9.61	10.55	11.50	12.46	13.42	14.38	15.34	16.31	17.29	18.26	20.22	22.18	26.13	30.09	34.05	38.01
1800	10.52	11.56	12.59	13.64	14.68	15.73	16.79	17.85	18.91	19.97	22.11	24.25	28.54	32.83	37.11	41.38
2000	11.41	12.53	13.65	14.78	15.92	17.05	18.19	19.34	20.48	21.63	23.93	26.24	30.85	35.46	40.03	44.57
2500	13.54	14.86	16.19	17.52	18.86	20.19	21.54	22.88	24.22	25.56	28.25	30.93	36.26	41.53	46.71	51.77
4000	19.32	21.17	23.02	24.87	26.71	28.54	30.37	32.18	33.99	35.77	39.30	42.75	49.39	...	...	...
4500	21.08	23.08	25.08	27.07	29.05	31.01	32.95	34.88	36.79	38.67	42.37	45.94	...	...	...	...
5000	22.77	24.91	27.04	29.15	31.24	33.32	35.36	37.38	39.37	41.32	45.11	48.74	...	...	...	...

* Always verify HP ratings of mating pulleys & bushings.

8M TIGER BELT® WIDTH SELECTION TABLE*

35 MM (1.38 IN.) WIDE BELT

No. of Teeth	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80	
PD	mm	56.02	61.12	66.21	71.30	76.39	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
	in.	2.206	2.406	2.607	2.807	3.008	3.208	3.409	3.609	3.810	4.010	4.411	4.812	5.614	6.416	7.218	8.020
SMALLEST SPROCKET rpm	1160	11.93	13.10	14.29	15.47	16.67	17.87	19.07	20.28	21.50	22.71	25.16	27.63	32.59	37.59	42.61	47.66
	1460	14.25	15.65	17.06	18.48	19.90	21.33	22.76	24.20	25.65	27.10	30.01	32.93	38.81	44.72	50.64	56.57
	1750	16.39	18.00	19.61	21.24	22.87	24.51	26.15	27.80	29.45	31.11	34.44	37.78	44.47	51.18	57.87	64.54
	2900	24.13	26.48	28.83	31.19	33.55	35.92	38.28	40.65	43.01	45.37	50.08	54.76	64.01	73.05	81.83	90.29
	3500	27.82	30.51	33.20	35.89	38.58	41.26	43.94	46.61	49.27	51.92	57.17	62.36	72.47	82.15	...	...
	10	0.20	0.22	0.24	0.26	0.27	0.29	0.31	0.33	0.35	0.37	0.41	0.45	0.53	0.61	0.68	0.76
	20	0.36	0.40	0.43	0.47	0.50	0.54	0.57	0.61	0.64	0.68	0.75	0.82	0.96	1.11	1.25	1.40
	40	0.66	0.73	0.79	0.85	0.92	0.98	1.04	1.11	1.17	1.24	1.37	1.50	1.76	2.02	2.29	2.55
	60	0.94	1.03	1.12	1.21	1.30	1.39	1.49	1.58	1.67	1.76	1.94	2.13	2.50	2.88	3.25	3.63
	100	1.47	1.61	1.75	1.89	2.03	2.17	2.32	2.46	2.60	2.75	3.03	3.32	3.90	4.49	5.07	5.66
	200	2.69	2.94	3.20	3.46	3.71	3.97	4.23	4.49	4.76	5.02	5.54	6.07	7.13	8.20	9.27	10.35
	300	3.82	4.19	4.55	4.92	5.29	5.65	6.02	6.39	6.77	7.14	7.89	8.64	10.15	11.66	13.19	14.72
	400	4.91	5.38	5.85	6.32	6.79	7.26	7.74	8.21	8.69	9.17	10.13	11.09	13.03	14.98	16.93	18.90
	500	5.96	6.53	7.10	7.67	8.24	8.82	9.39	9.97	10.55	11.13	12.29	13.46	15.81	18.18	20.55	22.94
	600	6.99	7.65	8.32	8.99	9.66	10.33	11.01	11.68	12.36	13.04	14.40	15.77	18.52	21.29	24.07	26.86
	800	8.97	9.82	10.68	11.54	12.40	13.26	14.13	15.00	15.87	16.74	18.49	20.24	23.77	27.31	30.86	34.42
	1000	10.64	11.68	12.74	13.80	14.86	15.93	17.01	18.09	19.17	20.26	22.45	24.65	29.09	33.56	38.07	42.60
	1200	12.25	13.45	14.66	15.88	17.11	18.34	19.58	20.82	22.06	23.31	25.83	28.35	33.44	38.57	43.72	48.89
	1400	13.80	15.15	16.52	17.89	19.27	20.65	22.04	23.44	24.84	26.24	29.06	31.90	37.60	43.33	49.08	54.84
	1600	15.29	16.80	18.31	19.82	21.35	22.88	24.42	25.96	27.51	29.06	32.18	35.30	41.59	47.89	54.19	60.49
	1800	16.75	18.39	20.04	21.70	23.37	25.04	26.72	28.40	30.09	31.79	35.18	38.59	45.42	52.25	59.07	65.85
	2000	18.16	19.94	21.73	23.53	25.33	27.14	28.95	30.77	32.60	34.42	38.09	41.76	49.10	56.43	63.71	70.93
	2500	21.55	23.65	25.77	27.88	30.01	32.14	34.27	36.41	38.55	40.68	44.96	49.22	57.71	66.10	74.34	82.40
	4000	30.75	33.70	36.64	39.58	42.51	45.43	48.33	51.22	54.09	56.93	62.55	68.04	78.60	...	...	...
	4500	33.55	36.74	39.92	43.08	46.22	49.35	52.45	55.51	58.55	61.55	67.43	73.12	...	...	...	...
5000	36.24	39.64	43.03	46.39	49.72	53.02	56.28	59.49	62.65	65.76	71.80	77.57	...	...	...	...

60 MM (2.36 IN.) WIDE BELT

SMALLEST SPROCKET rpm	1160	20.46	22.47	24.50	26.53	28.58	30.64	32.70	34.78	36.86	38.95	43.15	47.37	55.88	64.45	73.07	81.72
	1460	24.44	26.84	29.25	31.68	34.12	36.57	39.03	41.50	43.98	46.46	51.46	56.47	66.55	76.68	86.84	96.99
	1750	28.10	30.86	33.63	36.42	39.21	42.02	44.84	47.67	50.51	53.35	59.05	64.78	76.26	87.75	99.23	110.66
	2900	41.38	45.40	49.44	53.48	57.53	61.59	65.65	69.70	73.76	77.80	85.87	93.90	109.75	125.26	140.31	154.82
	3500	47.71	52.31	56.92	61.54	66.15	70.75	75.34	79.92	84.48	89.02	98.03	106.93	124.27	140.87	...	...
	10	0.34	0.37	0.40	0.44	0.47	0.50	0.54	0.57	0.60	0.63	0.70	0.77	0.90	1.04	1.17	1.31
	20	0.62	0.68	0.74	0.80	0.86	0.92	0.98	1.04	1.10	1.16	1.28	1.40	1.65	1.90	2.15	2.39
	40	1.14	1.24	1.35	1.46	1.57	1.68	1.79	1.90	2.01	2.12	2.34	2.57	3.01	3.47	3.92	4.38
	60	1.62	1.77	1.92	2.08	2.23	2.39	2.55	2.70	2.86	3.02	3.33	3.65	4.29	4.93	5.58	6.23
	100	2.52	2.76	3.00	3.24	3.49	3.73	3.97	4.22	4.46	4.71	5.20	5.70	6.69	7.69	8.70	9.71
	200	4.61	5.04	5.48	5.93	6.37	6.81	7.26	7.71	8.15	8.60	9.50	10.41	12.23	14.06	15.90	17.75
	300	6.55	7.18	7.80	8.43	9.06	9.70	10.33	10.96	11.60	12.24	13.52	14.81	17.40	20.00	22.62	25.25
	400	8.42	9.22	10.02	10.83	11.64	12.45	13.27	14.08	14.90	15.72	17.37	19.02	23.34	25.68	29.04	32.41
	500	10.22	11.19	12.17	13.15	14.13	15.12	16.11	17.10	18.09	19.08	21.08	23.09	27.12	31.17	35.24	39.33
	600	11.98	13.12	14.26	15.41	16.56	17.71	18.87	20.03	21.19	22.36	24.70	27.05	31.76	36.51	41.27	46.05
	800	15.38	16.84	18.31	19.78	21.26	22.74	24.23	25.72	27.21	28.70	31.70	34.71	40.75	46.82	52.91	59.02
	1000	18.24	20.03	21.84	23.66	25.48	27.32	29.16	31.02	32.88	34.74	38.49	42.27	49.88	57.55	65.28	73.05
	1200	21.00	23.07	25.15	27.24	29.34	31.45	33.57	35.70	37.83	39.98	44.28	48.62	57.34	66.13	74.96	83.83
	1400	23.66	25.98	28.32	30.67	33.04	35.41	37.79	40.19	42.59	45.00	49.83	54.69	64.47	74.30	84.16	94.04
	1600	26.23	28.80	31.39	33.99	36.61	39.23	41.87	44.52	47.17	49.83	55.17	60.53	71.31	82.11	92.93	103.72
	1800	28.72	31.53	34.37	37.21	40.07	42.94	45.82	48.70	51.60	54.50	60.32	66.16	77.87	89.59	101.28	112.91
	2000	31.14	34.19	37.26	40.34	43.43	46.53	49.65	52.77	55.89	59.03	65.31	71.60	84.19	96.75	109.24	121.62
	2500	36.95	40.56	44.18	47.81	51.46	55.11	58.77	62.43	66.09	69.76	77.09	84.41	98.96	113.33	127.47	141.29
	4000	52.73	57.78	62.83	67.87	72.89	77.90	82.88	87.83	92.74	97.62	107.25	116.67	134.78	...	...	...
	4500	57.53	63.00	68.44	73.87	79.26	84.62	89.93	95.19	100.40	105.54	115.62	125.38	...	...	...	...
5000	62.13	67.98	73.78	79.55	85.26	90.92	96.50	102.01	107.43	112.76	123.12	133.01	...	...	...	...

4 * Always verify HP ratings of mating pulleys & bushings.

14M TIGER BELT® WIDTH SELECTION TABLE*

20 MM (.79 IN.) WIDE BELT

No. of Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80	
PD	mm	124.78	129.23	133.69	142.60	151.51	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
mm	in.	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
SMALLEST SPROCKET rpm	1160	29.19	30.34	31.50	33.83	36.18	38.53	40.89	43.27	48.04	52.84	57.66	62.50	67.35	72.71	77.07	81.93	91.63
	1460	35.19	36.58	37.97	40.76	43.56	46.38	49.20	52.03	57.71	63.40	69.10	74.79	80.48	86.15	91.80	97.41	108.53
	1750	40.73	42.32	43.92	47.13	50.34	53.56	56.79	60.02	66.48	72.93	79.36	85.75	92.10	98.40	104.63	110.78	122.82
	2900	60.50	62.78	65.05	69.58	74.07	78.53	82.94	87.31	95.88	104.18	...	...	...	...	...	...	...
	3500	69.52	72.06	74.58	79.56	84.48	89.30	94.03	98.66	...	...	...	...	...	...	...	...	...
	10	0.45	0.46	0.48	0.52	0.55	0.59	0.62	0.65	0.72	0.79	0.87	0.94	1.01	1.08	1.15	1.22	1.37
	20	0.83	0.86	0.89	0.95	1.02	1.08	1.14	1.21	1.34	1.47	1.60	1.73	1.86	1.99	2.13	2.26	2.53
	40	1.53	1.59	1.64	1.76	1.88	2.00	2.11	2.23	2.47	2.71	2.95	3.19	3.44	3.68	3.93	4.18	4.67
	60	2.19	2.27	2.35	2.52	2.69	2.86	3.03	3.20	3.54	3.88	4.23	4.57	4.92	5.27	5.62	5.98	6.69
	100	3.44	3.57	3.70	3.96	4.22	4.49	4.76	5.02	5.56	6.10	6.64	7.19	7.74	8.29	8.84	9.39	10.51
	200	6.34	6.59	6.83	7.31	7.80	8.29	8.78	9.28	10.27	11.26	12.26	13.27	14.28	15.30	16.32	17.34	19.39
	300	9.08	9.43	9.77	10.47	11.17	11.87	12.57	13.28	14.69	16.12	17.55	18.99	20.43	21.88	23.34	24.80	27.74
	400	11.71	12.16	12.60	13.50	14.40	15.30	16.21	17.12	18.94	20.78	22.62	24.48	26.34	28.20	30.07	31.95	35.73
	500	14.27	14.81	15.35	16.44	17.54	18.64	19.74	20.84	23.06	25.30	27.54	29.79	32.05	34.31	36.59	38.87	43.44
	600	16.76	17.40	18.03	19.31	20.60	21.89	23.18	24.48	27.08	29.70	32.33	34.96	37.61	40.26	42.92	45.58	50.92
	800	21.60	22.42	23.24	24.89	26.54	28.20	29.86	31.52	34.86	38.22	41.58	44.95	48.33	51.71	55.10	58.48	65.25
	1000	25.85	26.88	27.91	29.98	32.06	34.15	36.26	38.37	42.62	46.90	51.21	55.54	59.89	64.25	68.62	73.00	81.77
	1200	30.01	31.19	32.39	34.78	37.18	39.60	42.03	44.47	49.37	54.29	59.24	64.20	69.17	74.14	79.12	84.09	94.00
	1400	34.01	35.36	36.70	39.40	42.12	44.84	47.58	50.32	55.82	61.34	66.88	72.41	77.94	83.46	88.97	94.45	105.31
	1600	37.89	39.38	40.88	43.87	46.88	49.89	52.91	55.94	62.01	68.08	74.15	80.20	86.22	92.22	98.17	104.07	115.68
1800	41.66	43.29	44.92	48.19	51.47	54.76	58.05	61.35	67.93	74.50	81.05	87.55	94.00	100.39	106.70	112.92	...	
2000	45.31	47.07	48.84	52.38	55.92	59.46	63.00	66.54	73.60	80.62	87.58	94.47	101.27	107.96	114.54	...	...
2500	54.00	56.06	58.13	62.26	66.37	70.48	74.56	78.61	86.64	94.54	102.26	109.78	...	...	...	...	...
3000	62.07	64.39	66.71	71.33	75.90	80.44	84.92	89.35	98.01	...	...	...	...	...	...	...	...
4000	76.35	79.04	81.70	86.93	92.04	...	...	...	...	...	...	...	...	...	...	...	...

42 MM (1.65 IN.) WIDE BELT

1160	61.33	63.76	66.19	71.09	76.01	80.95	85.92	90.91	100.94	111.03	121.16	131.33	141.52	151.73	161.94	172.15	192.52
1460	73.94	76.85	79.78	85.64	91.53	97.44	103.37	109.32	121.25	133.21	145.18	157.15	169.10	181.01	192.88	204.68	228.03
1750	85.57	88.92	92.28	99.02	105.77	112.54	119.32	126.10	139.67	153.23	166.74	180.18	193.52	206.75	219.84	232.77	258.07
2900	127.12	131.91	136.68	146.19	155.64	165.00	174.28	183.46	201.45	218.91	...	...	...	...	...	...	...
3500	146.08	151.40	156.70	167.18	177.50	187.64	197.58	207.31	...	...	...	...	...	...	...	...	...
10	0.94	0.98	1.01	1.08	1.16	1.23	1.30	1.38	1.52	1.67	1.82	1.97	2.12	2.27	2.42	2.57	2.88
20	1.74	1.80	1.87	2.00	2.14	2.27	2.41	2.54	2.81	3.08	3.36	3.63	3.91	4.19	4.47	4.75	5.31
40	3.21	3.33	3.45	3.70	3.95	4.19	4.44	4.69	5.19	5.70	6.20	6.71	7.22	7.74	8.25	8.77	9.81
60	4.59	4.77	4.94	5.30	5.65	6.00	6.36	6.72	7.43	8.15	8.88	9.61	10.34	11.08	11.82	12.56	14.05
100	7.22	7.49	7.77	8.32	8.88	9.43	9.99	10.55	11.68	12.82	13.96	15.10	16.25	17.41	18.57	19.74	22.08
200	13.33	13.84	14.35	15.37	16.39	17.42	18.45	19.49	21.57	23.66	25.77	27.88	30.01	32.14	34.28	36.43	40.75
300	19.08	19.81	20.54	22.00	23.46	24.93	26.41	27.89	30.87	33.86	36.87	39.90	42.93	45.98	49.04	52.11	58.28
400	24.61	25.55	26.48	28.37	30.26	32.15	34.06	35.97	39.80	43.66	47.53	51.42	55.33	59.25	63.19	67.14	75.06
500	29.97	31.11	32.26	34.55	36.85	39.16	41.47	43.80	48.46	53.15	57.86	62.59	67.34	72.10	76.87	81.66	91.27
600	35.21	36.55	37.89	40.58	43.28	45.99	48.71	51.43	56.90	62.40	67.92	73.46	79.02	84.59	90.17	95.77	106.99
800	45.38	47.10	48.83	52.29	55.76	59.24	62.73	66.23	73.25	80.30	87.36	94.45	101.55	108.65	115.76	122.88	137.11
1000	54.32	56.48	58.64	62.99	67.36	71.76	76.18	80.62	89.55	98.55	107.60	116.70	125.83	134.99	144.18	153.38	171.80
1200	63.05	65.54	68.05	73.07	78.13	83.21	88.31	93.43	103.72	114.07	124.47	134.89	145.33	155.79	166.24	176.68	197.51
1400	71.47	74.29	77.11	82.79	88.49	94.22	99.96	105.72	117.29	128.89	140.52	152.15	163.77	175.37	186.93	198.45	221.28
1600	79.62	82.75	85.89	92.18	98.49	104.83	111.18	117.54	130.29	143.04	155.79	168.50	181.17	193.76	206.26	218.66	243.07
1800	87.53	90.95	94.38	101.26	108.15	115.06	121.98	128.90	142.74	156.54	170.29	183.96	197.51	210.93	224.19	237.27	...
2000	95.21	98.91	102.62	110.05	117.49	124.94	132.38	139.82	154.65	169.40	184.02	198.50	212.78	226.85	240.67	...	...
2500	113.46	117.80	122.14	130.81	139.46	148.08	156.65	165.18	182.05	198.63	214.86	230.68	...	...	...	...	...
3000	130.41	135.30	140.17	149.87	159.48	169.01	178.43	187.73	205.94	...	...	...	...	...	...	...	...
4000	160.43	166.07	171.67	182.67	193.40	...	...	...	...	...	...	...	...	...	...	...	...

* Always verify HP ratings of mating pulleys & bushings.

14M TIGER BELT® WIDTH SELECTION TABLE*

65 MM (2.56 IN.) WIDE BELT

No. of Teeth	65 MM (2.56 IN.) WIDE BELT																	
	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80	
PD	mm	124.78	129.23	133.69	142.60	151.51	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51
	in.	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036
SMALLEST SPROCKET rpm	1160	94.93	98.69	102.46	110.03	117.65	125.31	133.00	140.72	156.24	171.86	187.54	203.28	219.06	234.85	250.66	266.46	298.00
	1460	114.45	118.96	123.48	132.56	141.68	150.83	160.01	169.21	187.68	206.19	224.72	243.25	261.75	280.19	298.55	316.82	352.96
	1750	132.46	137.64	142.84	153.27	163.72	174.20	184.69	195.19	216.20	237.18	258.09	278.90	299.55	320.03	340.29	360.30	399.46
	2900	196.77	204.18	211.57	226.29	240.91	255.41	269.77	283.97	311.83	338.85	...	...	...	...	...	...	...
	3500	226.11	234.36	242.55	258.77	274.75	290.45	305.84	320.90	...	...	...	...	...	...	...	...	...
	10	1.46	1.51	1.57	1.68	1.79	1.90	2.02	2.13	2.36	2.59	2.82	3.05	3.28	3.51	3.75	3.98	4.45
	20	2.69	2.79	2.89	3.10	3.31	3.51	3.72	3.93	4.35	4.77	5.20	5.63	6.06	6.49	6.92	7.35	8.23
	40	4.97	5.16	5.34	5.73	6.11	6.49	6.87	7.26	8.04	8.82	9.60	10.39	11.18	11.98	12.78	13.58	15.19
	60	7.11	7.38	7.65	8.20	8.74	9.29	9.84	10.40	11.51	12.62	13.75	14.87	16.01	17.15	18.29	19.44	21.75
	100	11.17	11.60	12.03	12.88	13.74	14.60	15.47	16.34	18.08	19.84	21.60	23.38	25.16	26.95	28.74	30.55	34.17
	200	20.63	21.42	22.21	23.79	25.37	26.96	28.56	30.16	33.39	36.63	39.88	43.16	46.44	49.75	53.06	56.39	63.07
	300	29.54	30.66	31.79	34.05	36.32	38.59	40.88	43.17	47.78	52.42	57.07	61.75	66.45	71.17	75.91	80.66	90.21
	400	38.09	39.54	40.99	43.91	46.83	49.77	52.72	55.67	61.61	67.58	73.57	79.60	85.65	91.72	97.81	103.92	116.19
	500	46.40	48.16	49.93	53.48	57.04	60.61	64.19	67.79	75.01	82.27	89.56	96.88	104.23	111.60	118.99	126.40	141.28
	600	54.50	56.58	58.65	62.81	66.99	71.19	75.39	79.61	88.08	96.59	105.13	113.71	122.31	130.93	139.58	148.24	165.60
	800	70.25	72.91	75.58	80.94	86.31	91.70	97.10	102.52	113.38	124.29	135.23	146.20	157.18	168.18	179.19	190.20	212.23
	1000	84.08	87.42	90.77	97.50	104.27	111.07	117.91	124.79	138.61	152.54	166.55	180.63	194.77	208.95	223.17	237.41	265.93
	1200	97.59	101.45	105.33	113.11	120.93	128.80	136.69	144.62	160.55	176.57	192.66	208.79	224.96	241.14	257.32	273.49	305.72
	1400	110.62	114.99	119.36	128.15	136.98	145.84	154.73	163.65	181.55	199.51	217.51	235.51	253.50	271.45	289.35	307.18	342.52
	1600	123.24	128.09	132.94	142.68	152.46	162.26	172.09	181.94	201.67	221.42	241.15	260.83	280.42	299.92	319.27	338.46	376.25
	1800	135.48	140.78	146.09	156.74	167.41	178.10	188.81	199.52	220.94	242.31	263.60	284.75	305.73	326.50	347.02	367.27	...
	2000	147.37	153.10	158.84	170.35	181.86	193.39	204.91	216.42	239.38	262.21	284.85	307.25	329.37	351.14	372.53	...	...
	2500	175.62	182.34	189.06	202.48	215.87	229.21	242.48	255.68	281.80	307.47	332.58	357.06	...	...	...	...	...
	3000	201.86	209.43	216.97	231.98	246.86	261.61	276.19	290.59	318.77	...	...	...	...	...	...	...	...
4000	248.32	257.07	265.72	282.75	299.36	...	...	...	...	...	...	...	...	...	...	...	...

90 MM (3.54 IN.) WIDE BELT

1160	131.45	136.66	141.88	152.37	162.92	173.52	184.17	194.86	216.35	237.97	259.69	281.49	303.33	325.21	347.10	368.98	412.65
1460	158.48	164.73	170.99	183.56	196.18	208.86	221.57	234.31	259.88	285.52	311.18	336.84	362.45	387.99	413.42	438.71	488.76
1750	183.42	190.60	197.80	212.23	226.71	241.21	255.74	270.29	299.38	328.44	357.39	386.20	414.80	443.16	471.21	498.93	553.15
2900	272.48	282.74	292.97	313.35	333.60	353.67	373.56	393.23	431.81	469.22	...	...	...	...	...	...	...
3500	313.11	324.52	335.87	358.33	380.46	402.20	423.51	444.36	...	...	...	...	...	...	...	...	...
10	2.02	2.09	2.17	2.32	2.48	2.64	2.79	2.95	3.26	3.58	3.90	4.22	4.54	4.86	5.19	5.51	6.17
20	3.72	3.87	4.01	4.29	4.58	4.87	5.15	5.44	6.03	6.61	7.20	7.79	8.38	8.98	9.58	10.18	11.39
40	6.88	7.14	7.40	7.93	8.46	8.99	9.52	10.05	11.13	12.21	13.30	14.39	15.48	16.59	17.69	18.80	21.04
60	9.85	10.22	10.60	11.35	12.11	12.87	13.63	14.39	15.93	17.48	19.03	20.60	22.17	23.75	25.33	26.92	30.11
100	15.47	16.06	16.65	17.84	19.03	20.22	21.42	22.62	25.04	27.47	29.91	32.37	34.84	37.31	39.80	42.30	47.32
200	28.57	29.66	30.75	32.94	35.13	37.34	39.55	41.77	46.23	50.72	55.23	59.76	64.31	68.89	73.48	78.08	87.34
300	40.90	42.46	44.02	47.15	50.29	53.44	56.61	59.78	66.17	72.58	79.03	85.51	92.02	98.55	105.11	111.69	124.92
400	52.75	54.75	56.77	60.80	64.85	68.92	73.00	77.09	85.31	93.58	101.88	110.22	118.60	127.01	135.44	143.90	160.89
500	64.25	66.69	69.14	74.05	78.98	83.93	88.89	93.87	103.87	113.92	124.02	134.16	144.33	154.54	164.77	175.04	195.63
600	75.47	78.34	81.22	86.98	92.77	98.57	104.40	110.24	121.96	133.75	145.58	157.45	169.36	181.30	193.28	205.27	229.32
800	97.27	100.96	104.66	112.08	119.52	126.98	134.46	141.96	157.01	172.11	187.26	202.44	217.65	232.89	248.13	263.38	293.88
1000	116.44	121.06	125.69	135.01	144.38	153.81	163.28	172.80	191.94	211.23	230.63	250.13	269.70	289.34	309.03	328.75	368.24
1200	135.13	140.48	145.85	156.63	167.46	178.35	189.28	200.26	222.32	244.51	266.78	289.12	311.51	333.91	356.32	378.71	423.34
1400	153.18	159.23	165.29	177.45	189.68	201.95	214.26	226.61	251.40	276.27	301.19	326.12	351.03	375.89	400.68	425.36	474.30
1600	170.66	177.36	184.09	197.57	211.11	224.69	238.30	251.94	279.26	306.60	333.92	361.17	388.32	415.30	442.10	468.68	521.01
1800	187.61	194.95	202.30	217.04	231.82	246.63	261.45	276.28	305.94	335.54	365.01	394.30	423.55	452.11	480.54	508.57	...
2000	204.06	212.00	219.96	235.88	251.83	267.79	283.74	299.68	331.48	363.09	394.44	425.46	456.09	486.24	515.86	...	...
2500	243.18	252.49	261.80	280.39	298.92	317.39	335.78	354.05	390.22	425.76	460.54	494.44	...	...	...	...	...
3000	279.53	290.00	300.44	321.23	341.84	362.26	382.46	402.40	441.42	...	...	...	...	...	...	...	...
4000	343.86	355.97	367.96	391.54	414.54	...	...	...	...	...	...	...	...	...	...	...	...

* Always verify HP ratings of mating pulleys & bushings.

14M TIGER BELT® WIDTH SELECTION TABLE*

120 MM (4.72 IN.) WIDE BELT


No. of Teeth	28	29	30	32	34	36	38	40	44	48	52	56	60	64	68	72	80	
PD mm	124.78	129.23	133.69	142.60	151.51	160.43	169.34	178.25	196.08	213.90	231.73	249.55	267.38	285.21	303.03	320.86	356.51	
PD in.	4.912	5.088	5.263	5.614	5.965	6.316	6.667	7.018	7.720	8.421	9.123	9.825	10.527	11.229	11.930	12.632	14.036	
SMALLEST SPROCKET rpm	1160	175.28	182.22	189.18	203.17	217.24	231.37	245.57	259.83	288.49	317.32	346.28	375.34	404.47	433.64	462.82	492.00	550.24
	1460	211.32	219.65	228.00	244.76	261.59	278.49	295.44	312.43	346.53	380.71	414.93	449.14	483.30	517.35	551.25	548.98	651.72
	1750	244.57	254.15	263.75	282.99	302.29	321.64	341.01	360.40	399.20	437.94	476.55	514.96	553.10	590.91	628.32	665.28	737.58
	2900	363.32	377.00	390.65	417.83	444.82	471.59	498.11	524.33	575.77	625.66	...	...	...	...	...	...	...
	3500	417.50	432.72	447.85	477.81	507.31	536.30	564.72	592.52	...	...	...	...	...	...	...	...	...
	10	2.69	2.79	2.89	3.10	3.31	3.51	3.72	3.93	4.35	4.77	5.20	5.63	6.05	6.48	6.92	7.35	8.22
	20	4.97	5.15	5.34	5.72	6.11	6.49	6.87	7.26	8.04	8.82	9.60	10.39	11.18	11.98	12.77	13.58	15.19
	40	9.17	9.52	9.87	10.57	11.28	11.98	12.69	13.41	14.84	16.28	17.73	19.18	20.65	22.12	23.59	25.07	28.05
	60	13.13	13.63	14.13	15.13	16.14	17.16	18.17	19.19	21.24	23.31	25.38	27.47	29.56	31.66	33.77	35.89	40.15
	100	20.63	21.42	22.20	23.78	25.37	26.96	28.56	30.16	33.39	36.63	39.89	43.16	46.45	49.76	53.07	56.40	63.10
	200	38.10	39.55	41.00	43.92	46.85	49.79	52.74	55.70	61.64	67.63	73.64	79.68	85.76	91.85	97.97	104.11	116.46
	300	54.54	56.61	58.69	62.87	67.06	71.26	75.48	79.72	88.23	96.78	105.38	114.02	122.70	131.41	140.16	148.93	166.56
	400	70.33	73.01	75.69	81.07	86.47	91.89	97.33	102.79	113.75	124.77	135.85	146.97	158.14	169.35	180.60	191.88	214.54
	500	85.67	88.93	92.19	98.74	105.31	111.91	118.53	125.17	138.50	151.90	165.37	178.88	192.45	206.06	219.71	233.40	260.86
	600	100.64	104.46	108.29	115.98	123.70	131.44	139.20	146.99	162.63	178.34	194.11	209.95	225.83	241.75	257.72	273.71	305.77
	800	129.71	134.63	139.56	149.44	159.36	169.31	179.29	189.29	209.35	229.49	249.69	269.94	290.22	310.53	330.86	351.20	391.86
	1000	155.26	161.42	167.60	180.02	192.52	205.09	217.72	230.41	255.94	281.65	307.52	333.52	359.62	385.81	412.06	438.36	491.02
	1200	180.19	187.32	194.48	208.85	223.29	237.81	252.39	267.03	296.45	326.03	355.73	385.52	415.37	445.25	475.12	504.97	564.49
	1400	204.26	212.31	220.39	236.62	252.91	269.28	285.70	302.16	335.22	368.38	401.61	434.85	468.07	501.22	534.27	567.18	632.44
	1600	227.56	236.50	245.46	263.45	281.50	299.60	317.75	335.93	372.36	408.83	445.26	481.59	517.78	553.77	589.51	624.94	694.72
1800	250.16	259.94	269.75	289.40	309.11	328.85	348.62	368.40	407.95	447.41	486.71	525.76	564.50	602.85	640.75	678.14	...	
2000	272.10	282.69	293.29	314.53	335.79	357.07	378.35	399.60	441.99	484.15	525.95	567.32	608.15	648.36	687.86	...	...
2500	324.26	336.68	349.08	373.87	398.59	423.22	447.73	472.10	520.33	567.71	614.09	659.30	...	...	...	...	...
3000	372.72	386.69	400.61	428.33	455.82	483.04	509.97	536.56	588.59	...	...	...	...	...	...	...	...
4000	458.51	474.66	490.64	522.08	552.75	...	...	...	...	...	...	...	...	...	...	...	...

* Always verify HP ratings of mating pulleys & bushings.

Tiger Belts® may also be ordered in the standard 8mm pitch HTB® widths of 20mm, 30mm, 50mm and 85mm, as well as in standard 14mm pitch HTB® widths of 40mm, 55mm, 85mm, 115mm and 170mm.

The HP ratings for Tiger Belts® in HTB® width may be calculated by pro-rating from the preceding HP tables. HTB® drives utilizing Tiger Belts® as direct replacements for original HTB® belts will see greatly improved belt life.

Tiger Belts® should be installed so that the deflection at midspan is 1/64" for every inch of span when the force specified in the table below is applied.

FOR HTB REPLACEMENT				FOR TIGER DRIVES		
	HTB WIDTHS	DEFLECTION FORCE		TIGER BELT	TIGER WIDTHS	DEFLECTION FORCE
8mm	20	3-5 lbs.		8mm	12	3-5 lbs.
	30	4-8 lbs.			22	4-8 lbs.
	50	10-15 lbs.			35	8-13 lbs.
	85	15-26 lbs.			60	16-25 lbs.
14mm	40	8-16 lbs.		14mm	20	5-11 lbs.
	55	12-26 lbs.			42	12-22 lbs.
	85	21-46 lbs.			65	20-40 lbs.
	115	30-60 lbs.			90	30-60 lbs.
	170	45-92 lbs.			120	42-85 lbs.

THERE'S A TIGER ON THE LOOSE!

Introducing the
TIGER BELT®

