

Table 59. T5 Allowable Tension Table: Per 10.0mm of Belt Width (Unit: N)

Speed of Small Pulley (rpm)	Number of Small Pulley Teeth		Pitch Circle Dia. (mm)							
	14	16	18	20	22	24	28	30		
	22.28	25.46	28.65	31.83	35.01	38.20	44.56	47.75		
1160	85	85	85	85	85	85	85	85	-	-
1750	77	77	77	77	77	77	77	77	-	-
3500	64	64	64	64	64	64	64	64	-	-
100	106	107	106	106	106	106	106	106	-	-
200	104	104	104	104	104	104	104	104	-	-
300	102	102	102	102	102	102	102	102	-	-
400	99	99	99	99	99	99	99	99	-	-
500	97	97	97	97	97	97	97	97	-	-
600	95	95	95	95	95	95	95	95	-	-
700	93	93	93	93	93	93	93	93	-	-
800	91	91	91	91	91	91	91	91	-	-
900	89	89	89	89	89	89	89	89	-	-
1000	87	87	87	87	87	87	87	87	-	-
1100	86	86	86	86	86	86	86	86	-	-
1200	84	84	84	84	84	84	84	84	-	-
1300	83	83	83	83	83	83	83	83	-	-
1400	81	81	81	81	81	81	81	81	-	-
1500	80	80	80	80	80	80	80	80	-	-
1600	79	79	79	79	79	79	79	79	-	-
1700	77	77	77	77	77	77	77	77	-	-
1800	76	76	76	76	76	76	76	76	-	-
1900	75	75	75	75	75	75	75	75	-	-
2000	74	74	74	74	74	74	74	74	-	-
2200	72	72	72	72	72	72	72	72	-	-
2400	70	70	70	70	70	70	70	70	-	-
2600	69	69	69	69	69	69	69	69	-	-
2800	67	67	67	67	67	67	67	67	-	-
3000	66	66	66	66	66	66	66	66	-	-
3200	65	65	65	65	65	65	65	65	-	-
3400	64	64	64	64	64	64	64	64	-	-
3600	63	63	63	63	63	63	63	63	-	-
3800	62	62	62	62	62	62	62	62	-	-
4000	61	61	61	61	61	61	61	61	-	-
4200	61	61	61	61	61	61	61	61	-	-
4400	60	60	60	60	60	60	60	60	-	-
4600	59	59	59	59	59	59	59	59	-	-
4800	58	58	58	58	58	58	58	58	-	-
5000	57	57	57	57	57	57	57	57	-	-
5500	-	55	55	55	55	55	55	55	-	-
6000	-	51	51	51	51	51	51	51	-	-
6500	-	47	47	47	47	47	47	47	-	-
7000	-	41	41	41	41	41	41	41	-	-
7500	-	34	34	34	34	34	34	34	-	-
8000	-	-	24	24	24	24	24	24	-	-
8500	-	-	12	12	12	12	12	12	-	-

* Try to avoid use of belts within the range enclosed with □ □ □ □. Otherwise, the durable time might be shortened.

* The above table is for 10.0mm of belt width. When the desired belt has the other width, multiply the value on the above table by the relevant width correction factor Kb provided on the Table 29.

Table 60. T10 Allowable Tension Table: Per 10.0mm of Belt Width (Unit: N)

Speed of Small Pulley (rpm)	Number of Small Pulley Teeth		Pitch Circle Dia. (mm)															
	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48			
	38.20	44.56	50.93	57.30	63.66	70.03	76.39	82.76	89.12	95.49	101.86	114.59	127.32	140.06	152.79			
870	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147			
1160	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138			
1750	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125			
3500	-	104	104	104	104	104	104	104	104	104	104	104	104	104	104			
100	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174			
200	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170			
300	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166			
400	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162			
500	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159			
600	155	155	155	155	155	155	155	155	155	155	155	155	155	155	155			
700	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152			
800	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149			
900	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146			
1000	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143			
1100	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140			
1200	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137			
1300	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135			
1400	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133			
1500	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130			
1600	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128			
1700	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126			
1800	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124			
1900	122	122	122	122	122	122	122	122	122	122	122	122	122	122	122			
2000	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121			
2200	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118			
2400	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115			
2600	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112			
2800	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110			
3000	-	108	108	108	108	108	108	108	108	108	108	108	108	108	108			
3200	-	106	106	106	106	106	106	106	106	106	106	106	106	106	106			
3400	-	104	104	104	104	104	104	104	104	104	104	104	104	104	104			
3600	-	103	103	103	103	103	103	103	103	103	103	103	103	103	103			
3800	-	102	102	102	102	102	102	102	102	102	102	102	102	102	102			
4000	-	-	100	100	100	100	100	100	100	100	100	100	100	100	100			
4200	-	-	99	99	99	99	99	99	99	99	99	99	99	99	99			
4400	-	-	98	98	98	98	98	98	98	98	98	98	98	98	98			
4600	-	-	96	96	96	96	96	96	96	96	96	96	96	96	96			
4800	-	-	95	95	95	95	95	95	95	95	95	95	95	95	95			
5000	-	-	94	94	94	94	94	94	94	94	94	94	94	94	94			
5200	-	-	92	92	92	92	92	92	92	92	92	92	92	92	92			
5400	-	-	90	90	90	90	90	90	90	90	90	90	90	90	90			
5600	-	-	88	88	88	88	88	88	88	88	88	88	88	88	88			
5800	-	-	86	86	86	86	86	86	86	86	86	86	86	86	86			
6000	-	-	84	84	84	84	84	84	84	84	84	84	84	84	84			

* Try to avoid use of belts within the range enclosed with □ □ □ □. Otherwise, the durable time might be shortened.

* For the range enclosed with □ □ □ □, be sure to provide some means to retain dynamic balance, because the pulley constant speed becomes 33 (m/s) or faster.

* The above table is for 10.0mm of belt width. When the desired belt has the other width, multiply the value on the above table by the relevant width correction factor Kb provided on the Table 29.