

Table 33 Rated Torque (lbf in.) for Small Pulleys - 6 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see **Step 7** of **SECTION 24**, on page **T-65**).

2 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	4	6	9	12
Width Multiplier	0.67	1.00	1.50	2.00

Number of Grooves	Pitch Diameter		12	14	16	18	20	24	28	32	36	40	48	56	64	72	80
	mm	inches															
10	0.90	0.301	7.64	8.91	10.19	11.46	12.73	15.28	17.83	20.37	22.92	25.46	30.56	35.65	40.74	45.84	50.93
	0.89			1.09	1.27	1.45	1.63	1.99	2.35	2.71	3.07	3.43	4.13	4.84	5.55	6.25	6.95
	0.87			1.07	1.25	1.42	1.60	1.96	2.31	2.66	3.01	3.37	4.06	4.76	5.45	6.14	6.83
	0.86			1.05	1.22	1.40	1.57	1.92	2.27	2.62	2.96	3.31	3.99	4.68	5.36	6.04	6.71
	0.85			1.03	1.21	1.38	1.55	1.90	2.25	2.59	2.93	3.27	3.95	4.63	5.30	5.98	6.64
	0.84			1.02	1.19	1.36	1.53	1.88	2.22	2.55	2.89	3.23	3.90	4.57	5.23	5.90	6.56
200	0.83			1.00	1.17	1.34	1.50	1.84	2.17	2.51	2.84	3.17	3.83	4.49	5.14	5.79	6.44
	0.82			0.99	1.15	1.32	1.49	1.82	2.15	2.48	2.81	3.14	3.79	4.44	5.08	5.73	6.37
	0.81			0.98	1.14	1.31	1.47	1.81	2.13	2.46	2.78	3.11	3.76	4.40	5.04	5.68	6.32
	0.80			0.97	1.14	1.30	1.46	1.79	2.12	2.44	2.77	3.09	3.73	4.38	5.01	5.65	6.28
	0.80			0.97	1.13	1.29	1.46	1.78	2.11	2.43	2.75	3.08	3.72	4.35	4.99	5.62	6.25
	0.79			0.96	1.12	1.28	1.44	1.77	2.09	2.41	2.73	3.05	3.69	4.32	4.95	5.58	6.20
rpm of Fastest Shaft	0.79			0.95	1.11	1.27	1.43	1.76	2.08	2.40	2.71	3.03	3.66	4.29	4.92	5.54	6.16
	0.78			0.94	1.11	1.27	1.43	1.75	2.07	2.38	2.70	3.02	3.64	4.27	4.89	5.52	6.13
	0.78			0.94	1.10	1.26	1.42	1.74	2.06	2.37	2.69	3.00	3.63	4.25	4.87	5.49	6.11
	0.78			0.94	1.10	1.26	1.41	1.73	2.05	2.36	2.68	2.99	3.62	4.24	4.85	5.47	6.08
	0.77			0.93	1.09	1.25	1.41	1.73	2.04	2.36	2.67	2.98	3.60	4.22	4.84	5.45	6.06
	0.77			0.93	1.09	1.25	1.41	1.72	2.04	2.35	2.66	2.97	3.59	4.21	4.82	5.44	6.05
[Tabulated values are in lbf in.]	0.76			0.92	1.08	1.24	1.40	1.71	2.03	2.34	2.65	2.96	3.57	4.19	4.80	5.41	6.01
	0.76			0.92	1.07	1.23	1.39	1.71	2.02	2.33	2.63	2.95	3.56	4.17	4.78	5.38	5.99
	0.76			0.92	1.07	1.23	1.39	1.70	2.01	2.32	2.62	2.93	3.54	4.15	4.76	5.36	5.96
	0.75			0.91	1.07	1.22	1.38	1.69	2.00	2.31	2.62	2.92	3.53	4.14	4.74	5.35	5.94
	0.75			0.91	1.06	1.22	1.38	1.69	2.00	2.30	2.61	2.91	3.52	4.13	4.73	5.33	5.92
	0.75			0.90	1.06	1.21	1.37	1.68	1.98	2.29	2.59	2.90	3.50	4.10	4.70	5.29	5.88
10000	0.74			0.90	1.05	1.20	1.36	1.67	1.97	2.27	2.58	2.88	3.48	4.08	4.67	5.26	5.85
	0.73			0.89	1.04	1.19	1.35	1.65	1.95	2.25	2.55	2.85	3.45	4.04	4.63	5.21	5.79
	0.73			0.88	1.18	1.18	1.34	1.64	1.94	2.24	2.53	2.83	3.42	4.01	4.59	5.17	5.75
	0.72			0.88	1.03	1.18	1.33	1.63	1.93	2.22	2.52	2.82	3.40	3.98	4.56	5.14	5.70
	0.72			0.87	1.02	1.17	1.32	1.62	1.92	2.21	2.51	2.80	3.38	3.96	4.53	5.11	5.67
	0.72			0.87	1.02	1.17	1.32	1.62	1.92	2.21	2.51	2.80	3.38	3.96	4.53	5.11	5.67

For Belt Length	Length (mm)		Length Correction Factor
	From	To	
100	50	104	0.70
	104	52	
200	53	122	0.75
	122	52	
400	62	144	0.80
	144	72	
800	73	168	0.85
	168	84	
1600	85	196	0.90
	196	98	
3200	99	230	0.95
	230	115	
6400	116	270	1.00
	270	135	
12800	136	316	1.05
	316	158	
25600	159	370	1.10
	370	185	
51200	186	434	1.15
	434	217	
102400	218	508	1.20
	508	254	
204800	255	596	1.25
	596	298	
409600	299	696	1.30
	696	348	
819200	349	800	1.35
	800	400	

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Table 33 (Cont.) Rated Torque (Nm) for Small Pulleys - 6 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

2 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	4	6	9	12
Width Multiplier	0.67	1.00	1.50	2.00

Number of Grooves Pitch Diameter	12	14	16	18	20	24	28	32	36	40	48	56	64	72	80	
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	
rpm of Fastest Shaft [Tabulated values are in Nm]	10	7.64 0.301	8.91 0.351	10.19 0.401	11.46 0.451	12.73 0.501	15.28 0.602	17.83 0.702	20.37 0.802	22.92 0.902	25.46 1.003	30.56 1.203	35.65 1.404	40.74 1.604	45.84 1.805	50.93 2.005
	20	0.10	0.12	0.14	0.16	0.18	0.23	0.27	0.31	0.35	0.39	0.47	0.55	0.63	0.71	0.79
	40	0.10	0.12	0.14	0.16	0.18	0.22	0.26	0.30	0.33	0.37	0.46	0.54	0.62	0.69	0.77
	60	0.10	0.12	0.14	0.16	0.18	0.22	0.26	0.30	0.33	0.37	0.45	0.53	0.61	0.68	0.76
	100	0.10	0.12	0.13	0.15	0.17	0.21	0.25	0.29	0.33	0.36	0.44	0.52	0.60	0.68	0.75
	200	0.09	0.11	0.13	0.15	0.17	0.21	0.25	0.28	0.32	0.36	0.43	0.51	0.58	0.67	0.74
	300	0.09	0.11	0.13	0.15	0.17	0.21	0.24	0.28	0.32	0.35	0.43	0.50	0.57	0.65	0.72
	400	0.09	0.11	0.13	0.15	0.17	0.20	0.24	0.28	0.31	0.35	0.42	0.50	0.57	0.64	0.71
	500	0.09	0.11	0.13	0.15	0.17	0.20	0.24	0.28	0.31	0.35	0.42	0.49	0.57	0.64	0.71
	600	0.09	0.11	0.13	0.15	0.16	0.20	0.24	0.27	0.31	0.35	0.42	0.49	0.56	0.64	0.71
	800	0.09	0.11	0.13	0.14	0.16	0.20	0.24	0.27	0.31	0.34	0.42	0.49	0.56	0.63	0.70
	1000	0.09	0.11	0.13	0.14	0.16	0.20	0.23	0.27	0.30	0.34	0.41	0.48	0.56	0.63	0.70
1200	0.09	0.11	0.12	0.14	0.16	0.20	0.23	0.27	0.31	0.34	0.41	0.48	0.55	0.62	0.69	
1400	0.09	0.11	0.12	0.14	0.16	0.20	0.23	0.27	0.30	0.34	0.41	0.48	0.55	0.62	0.69	
1600	0.09	0.11	0.12	0.14	0.16	0.20	0.23	0.27	0.30	0.34	0.41	0.48	0.55	0.62	0.69	
1800	0.09	0.11	0.12	0.14	0.16	0.20	0.23	0.27	0.30	0.34	0.41	0.48	0.55	0.62	0.69	
2000	0.09	0.10	0.12	0.14	0.16	0.19	0.23	0.27	0.30	0.34	0.41	0.48	0.55	0.61	0.68	
2400	0.09	0.10	0.12	0.14	0.16	0.19	0.23	0.26	0.30	0.33	0.40	0.47	0.54	0.61	0.68	
2800	0.09	0.10	0.12	0.14	0.16	0.19	0.23	0.26	0.30	0.33	0.40	0.47	0.54	0.61	0.68	
3200	0.09	0.10	0.12	0.14	0.16	0.19	0.23	0.26	0.30	0.33	0.40	0.47	0.54	0.61	0.67	
3600	0.09	0.10	0.12	0.14	0.16	0.19	0.23	0.26	0.30	0.33	0.40	0.47	0.54	0.60	0.67	
4000	0.08	0.10	0.12	0.14	0.16	0.19	0.23	0.26	0.29	0.33	0.40	0.47	0.53	0.60	0.67	
5000	0.08	0.10	0.12	0.14	0.15	0.19	0.22	0.26	0.29	0.33	0.40	0.46	0.53	0.60	0.66	
6000	0.08	0.10	0.12	0.14	0.15	0.19	0.22	0.26	0.29	0.33	0.39	0.46	0.53	0.59	0.66	
8000	0.08	0.10	0.12	0.13	0.15	0.19	0.22	0.25	0.29	0.32	0.39	0.46	0.52	0.59	0.66	
10000	0.08	0.10	0.12	0.13	0.15	0.19	0.22	0.25	0.29	0.32	0.39	0.45	0.52	0.58	0.65	
12000	0.08	0.10	0.12	0.13	0.15	0.18	0.22	0.25	0.28	0.32	0.38	0.45	0.52	0.58	0.64	
14000	0.08	0.10	0.12	0.13	0.15	0.18	0.22	0.25	0.28	0.32	0.38	0.45	0.52	0.58	0.64	

For Belt Length	Length (mm)		100	106	124	146	170	198	232	272	318	372	436	510	598	698	
	From	To	50	53	62	73	85	99	116	136	159	186	218	255	299	349	
Length Correction Factor	# of teeth		104	122	144	168	196	230	270	316	370	434	508	596	696	800	
	# of teeth		52	61	72	84	98	115	135	158	185	217	254	298	348	400	
Length Correction Factor				0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35

Table 33 (Cont.) Rated Torque (lbf in.) for Small Pulleys - 6 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see **Step 7 of SECTION 24**, on page T-65).

3 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	6	9	12	15
Width Multiplier	1.00	1.50	2.00	2.50

Number of Grooves Pitch Diameter	16	18	20	22	24	26	30	34	38	44	50	56	64	72	80
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches
rpm of Fastest Shaft	10	14.02	16.27	18.50	20.70	22.89	25.06	29.38	33.61	44.00	50.13	56.15	64.10	71.93	79.67
	20	11.62	13.57	15.50	17.40	19.29	21.16	24.88	28.51	37.41	42.63	47.75	54.50	61.13	67.68
	40	10.91	12.78	14.62	16.44	18.24	20.02	23.56	27.02	35.48	40.44	45.30	51.69	57.98	64.17
	60	10.03	11.78	13.51	15.22	16.91	18.59	21.90	25.14	28.35	33.04	37.67	42.20	48.15	54.74
	80	8.83	10.43	12.01	13.57	15.11	16.64	19.65	22.59	25.50	29.74	33.92	38.00	43.35	48.60
	1000	8.12	9.64	11.14	12.61	14.06	15.50	18.34	21.10	23.83	27.81	31.73	35.54	40.54	45.43
	1200	7.63	9.08	10.51	11.92	13.32	14.69	17.40	20.04	22.65	26.44	30.17	33.80	38.55	43.19
	1400	7.24	8.65	10.03	11.39	12.74	14.06	16.68	19.22	21.73	25.38	28.96	32.45	37.00	41.45
	1600	6.92	8.29	9.64	10.96	12.26	13.55	16.09	18.55	20.98	24.51	27.97	31.34	35.73	40.02
	1800	6.43	7.73	9.01	10.27	11.52	12.74	15.15	17.49	19.79	23.14	26.41	29.59	33.73	37.76
[Tabulated values are in lbf in.]	2000	6.04	7.30	8.53	9.74	10.94	12.11	14.43	16.67	18.87	22.07	25.20	28.23	32.17	36.00
	2400	5.72	6.94	8.14	9.31	10.46	11.60	13.83	15.99	18.12	21.20	24.20	27.11	30.89	34.56
	2800	5.46	6.64	7.80	8.94	10.06	11.16	13.33	15.42	17.48	20.46	23.36	26.16	29.80	33.32
	3200	5.22	6.38	7.51	8.62	9.71	10.78	12.89	14.93	16.93	19.81	22.62	25.34	28.85	32.25
	3600	5.02	6.15	7.26	8.34	9.40	10.45	12.51	14.49	16.44	19.24	21.97	24.60	28.01	31.29
	4000	4.84	5.94	7.03	8.09	9.13	10.15	12.16	14.10	16.00	18.73	21.39	23.94	27.25	30.43
	5000	4.52	5.59	6.63	7.65	8.65	9.64	11.56	13.42	15.23	17.84	20.37	22.79	25.91	28.90
	6000	4.25	5.28	6.29	7.28	8.25	9.20	11.05	12.84	14.58	17.08	19.49	21.80	24.76	27.58
	8000	4.02	5.02	6.00	6.96	7.90	8.81	10.61	12.33	14.01	16.41	18.72	20.93	23.74	26.40
	10000	3.81	4.79	5.74	6.67	7.58	8.48	10.22	11.88	13.50	15.81	18.03	20.14	22.81	25.32
12000	3.63	4.58	5.51	6.42	7.30	8.17	9.86	11.48	13.04	15.27	17.40	19.41	21.95	24.32	
14000	3.24	4.14	5.02	5.87	6.71	7.52	9.10	10.60	12.05	14.09	16.02	17.81	20.04	22.05	
	2.91	3.77	4.61	5.42	6.21	6.98	8.46	9.86	11.20	13.07	14.81	16.40	18.32	19.98	
	2.40	3.19	3.95	4.69	5.40	6.09	7.41	8.63	9.77	11.33	12.70	13.89	15.17	16.09	
	1.99	2.72	3.42	4.10	4.74	5.36	6.53	7.59	8.55	9.78	10.79	11.54	12.13	—	
	1.64	2.32	2.97	3.59	4.17	4.73	5.75	6.64	7.41	8.32	8.93	—	—	—	
	1.34	1.98	2.57	3.13	3.66	4.15	5.03	5.75	6.33	6.89	—	—	—	—	

For Belt Length	Length (mm)		Length Correction Factor
	From	To	
120	40	43	0.70
	126	150	0.75
180	60	71	0.85
	210	249	0.90
252	84	98	0.95
	291	345	1.00
348	116	136	1.05
	405	477	1.10
448	148	174	1.15
	513	603	1.20
567	189	222	1.25
	262	308	1.30
666	222	262	1.35
	281	337	1.40
786	308	364	1.40
	405	477	1.40
864	364	405	1.40
	477	567	1.40
924	405	477	1.40
	567	666	1.40
1092	477	567	1.40
	666	786	1.40

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Shaded area indicates drive conditions where reduced service life can be expected.

Table 34 (Cont.) Rated Torque (Nm) for Small Pulleys - 6 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

3 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	6	9	12	15
Width Multiplier	1.00	1.50	2.00	2.50

Number of Grooves Pitch Diameter	mm inches	16	18	20	22	24	26	30	34	38	44	50	56	64	72	80
		10	1.58	1.84	2.09	2.34	2.59	2.83	3.32	3.80	3.80	4.27	4.97	5.66	6.34	7.24
20	1.45	1.69	1.92	2.15	2.38	2.61	3.06	3.51	3.51	3.95	4.60	5.24	5.87	6.70	7.52	8.32
40	1.31	1.53	1.75	1.97	2.18	2.39	2.81	3.22	3.22	3.63	4.23	4.82	5.40	6.16	6.91	7.35
60	1.23	1.44	1.65	1.86	2.06	2.26	2.66	3.05	3.05	3.44	4.01	4.57	5.12	5.84	6.55	7.25
100	1.13	1.33	1.53	1.72	1.91	2.10	2.47	2.84	2.84	3.20	3.73	4.26	4.77	5.44	6.10	6.75
200	1.00	1.18	1.36	1.53	1.71	1.88	2.22	2.55	2.55	2.88	3.36	3.83	4.29	4.90	5.49	6.07
300	0.92	1.09	1.26	1.42	1.59	1.75	2.07	2.38	2.38	2.69	3.14	3.58	4.02	4.58	5.13	5.68
400	0.86	1.03	1.19	1.35	1.50	1.66	1.97	2.26	2.26	2.56	2.99	3.41	3.82	4.36	4.88	5.39
500	0.82	0.98	1.13	1.29	1.44	1.59	1.88	2.17	2.17	2.45	2.87	3.27	3.67	4.18	4.68	5.17
600	0.78	0.94	1.09	1.24	1.39	1.53	1.82	2.10	2.10	2.37	2.77	3.16	3.54	4.04	4.52	4.99
800	0.73	0.87	1.02	1.16	1.30	1.44	1.71	1.98	1.98	2.24	2.61	2.98	3.34	3.81	4.27	4.71
1000	0.68	0.82	0.96	1.10	1.24	1.37	1.63	1.88	1.88	2.13	2.49	2.85	3.19	3.63	4.07	4.49
1200	0.65	0.78	0.92	1.05	1.18	1.31	1.56	1.81	1.81	2.05	2.40	2.73	3.06	3.49	3.90	4.31
1400	0.62	0.75	0.88	1.01	1.14	1.26	1.51	1.74	1.74	1.97	2.31	2.64	2.96	3.37	3.77	4.15
1600	0.59	0.72	0.85	0.97	1.10	1.22	1.46	1.69	1.69	1.91	2.24	2.56	2.86	3.26	3.64	4.02
1800	0.57	0.69	0.82	0.94	1.06	1.18	1.41	1.64	1.64	1.86	2.17	2.48	2.78	3.16	3.54	3.89
2000	0.55	0.67	0.79	0.91	1.03	1.15	1.37	1.59	1.59	1.81	2.12	2.42	2.71	3.08	3.44	3.78
2400	0.51	0.63	0.75	0.86	0.98	1.09	1.31	1.52	1.52	1.72	2.02	2.30	2.58	2.93	3.27	3.59
2800	0.48	0.60	0.71	0.82	0.93	1.04	1.25	1.45	1.45	1.65	1.93	2.20	2.46	2.80	3.12	3.42
3200	0.45	0.57	0.68	0.79	0.89	1.00	1.20	1.39	1.39	1.58	1.85	2.12	2.36	2.68	2.98	3.27
3600	0.43	0.54	0.65	0.75	0.86	0.96	1.15	1.34	1.34	1.53	1.79	2.04	2.28	2.58	2.86	3.13
4000	0.41	0.52	0.62	0.73	0.83	0.92	1.11	1.30	1.30	1.47	1.73	1.97	2.19	2.48	2.75	3.00
5000	0.37	0.47	0.57	0.66	0.76	0.85	1.03	1.20	1.20	1.36	1.59	1.81	2.01	2.26	2.49	2.70
6000	0.33	0.43	0.52	0.61	0.70	0.79	0.96	1.11	1.11	1.27	1.48	1.67	1.85	2.07	2.26	2.42
8000	0.27	0.36	0.45	0.53	0.61	0.69	0.84	0.97	0.97	1.10	1.28	1.44	1.57	1.71	1.82	1.88
10000	0.22	0.31	0.39	0.46	0.54	0.61	0.74	0.86	0.86	0.97	1.11	1.22	1.30	1.37	—	—
12000	0.19	0.26	0.34	0.41	0.47	0.53	0.65	0.75	0.75	0.84	0.94	1.01	—	—	—	—
14000	0.15	0.22	0.29	0.35	0.41	0.47	0.57	0.65	0.65	0.72	0.78	—	—	—	—	—

For Belt Length	From	To	Length (mm)		# of teeth		Length Correction Factor							
			120	129	153	180		213	252	294	348	408	480	567
Length Correction Factor	40	42	40	42	42	42	0.70							
	126	126	126	126	126	126	1.00							
Length Correction Factor	150	150	150	150	150	150	1.00							
	177	177	177	177	177	177	1.00							
Length Correction Factor	210	210	210	210	210	210	1.00							
	249	249	249	249	249	249	1.00							
Length Correction Factor	289	289	289	289	289	289	1.00							
	345	345	345	345	345	345	1.00							
Length Correction Factor	405	405	405	405	405	405	1.00							
	477	477	477	477	477	477	1.00							
Length Correction Factor	564	564	564	564	564	564	1.00							
	663	663	663	663	663	663	1.00							
Length Correction Factor	783	783	783	783	783	783	1.00							
	921	921	921	921	921	921	1.00							
Length Correction Factor	1089	1089	1089	1089	1089	1089	1.00							
	1307	1307	1307	1307	1307	1307	1.00							
Length Correction Factor	1599	1599	1599	1599	1599	1599	1.00							
	1983	1983	1983	1983	1983	1983	1.00							
Length Correction Factor	2415	2415	2415	2415	2415	2415	1.00							
	2907	2907	2907	2907	2907	2907	1.00							
Length Correction Factor	3465	3465	3465	3465	3465	3465	1.00							
	4089	4089	4089	4089	4089	4089	1.00							
Length Correction Factor	4785	4785	4785	4785	4785	4785	1.00							
	5565	5565	5565	5565	5565	5565	1.00							
Length Correction Factor	6435	6435	6435	6435	6435	6435	1.00							
	7395	7395	7395	7395	7395	7395	1.00							
Length Correction Factor	8445	8445	8445	8445	8445	8445	1.00							
	9585	9585	9585	9585	9585	9585	1.00							

Shaded area indicates drive conditions where reduced service life can be expected.

Table 35 Rated Torque (lbf in.) for Small Pulleys - 15 mm Belt Width
(see Table 36 for hp or KW ratings)

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

5 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	9	15	20	25
Width Multiplier	0.60	1.00	1.33	1.67

Number of Grooves	Pitch Diameter	18	20	22	24	26	28	32	36	40	44	48	56	64	72	80
		mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
10	28.65	31.83	35.01	38.20	41.38	44.56	50.93	57.30	63.66	70.03	76.39	89.13	101.86	114.59	127.32	
	1.128	1.253	1.379	1.504	1.629	1.754	2.005	2.256	2.506	2.757	3.008	3.509	4.010	4.511	5.013	
	78.24	93.61	109.00	124.20	139.30	154.30	184.30	214.10	243.60	272.90	302.10	359.90	417.20	474.10	530.60	
	72.38	87.11	101.80	116.40	130.90	145.20	173.90	202.40	230.60	258.60	286.50	341.70	396.40	450.60	504.60	
20	66.53	80.60	94.69	108.60	122.40	136.10	163.50	190.70	217.60	244.30	270.90	323.50	375.60	427.20	478.50	
	63.11	76.80	90.51	104.00	117.50	130.80	157.50	183.90	209.90	235.90	261.80	312.90	363.40	413.50	463.30	
40	58.80	72.01	85.23	98.27	111.20	124.10	149.80	175.20	200.40	225.40	250.30	299.50	348.10	396.30	444.10	
	52.94	65.51	78.08	90.46	102.80	115.00	139.40	163.50	187.40	211.10	234.70	281.20	327.30	372.80	418.10	
60	49.52	61.70	73.89	85.90	97.83	109.70	133.30	156.70	179.70	202.70	225.50	270.60	315.10	359.10	402.80	
	47.09	59.00	70.92	82.65	94.31	105.90	129.00	151.80	174.30	196.70	219.00	263.00	306.40	349.30	391.80	
80	45.20	56.91	68.61	80.14	91.59	103.00	125.60	148.00	170.10	192.10	213.90	257.00	299.60	341.60	383.30	
	43.66	55.19	66.73	78.08	89.36	100.60	122.90	144.90	166.70	188.30	209.80	252.20	294.00	335.30	376.20	
1000	41.22	52.49	63.74	74.83	85.83	96.76	118.50	140.00	161.20	182.30	203.20	244.40	285.10	325.20	364.90	
	39.33	50.38	61.43	72.30	83.09	93.80	115.10	136.20	156.90	177.60	198.00	238.30	278.00	317.20	355.90	
1200	37.78	48.66	59.53	70.22	80.83	91.37	112.30	133.00	153.40	173.70	193.70	233.30	272.10	310.40	348.20	
	36.47	47.20	57.92	68.46	78.92	89.31	109.90	130.30	150.40	170.30	190.10	228.90	267.00	304.50	341.40	
1400	35.33	45.93	56.51	66.93	77.25	87.50	107.90	128.00	147.80	167.40	186.80	225.00	262.40	299.20	335.30	
	34.32	44.80	55.27	65.57	75.77	85.90	106.00	125.90	145.40	164.70	183.90	221.50	258.20	294.30	329.60	
1600	33.41	43.79	54.16	64.34	74.44	84.46	104.30	124.00	143.20	162.30	181.20	218.20	254.40	289.70	324.20	
	31.84	42.03	52.20	62.20	72.10	81.92	101.40	120.60	139.40	158.00	176.40	212.30	247.20	281.10	314.10	
1800	30.49	40.53	50.53	60.36	70.09	79.73	98.84	117.60	136.00	154.20	172.10	206.90	240.60	273.10	304.40	
	29.31	39.20	49.06	58.73	68.31	77.79	96.54	115.00	132.90	150.70	168.10	201.80	234.20	265.30	294.90	
2000	28.26	38.02	47.74	57.27	66.70	76.02	94.45	112.50	130.10	147.40	164.30	197.00	228.10	257.60	285.30	
	27.31	36.94	46.53	55.93	65.21	74.39	92.50	110.20	127.40	144.30	160.70	192.30	222.00	249.80	275.70	
2400	25.23	34.58	43.88	52.96	61.91	70.74	88.07	104.90	121.10	136.90	152.10	180.60	206.70	230.00	—	
	23.45	32.55	41.56	50.35	58.98	67.46	84.01	99.93	115.10	129.70	143.50	168.70	190.60	—	—	
2800	20.43	29.03	37.50	45.69	53.67	61.43	76.33	90.27	103.10	115.00	125.60	—	—	—	—	
	17.77	25.88	33.79	41.35	48.63	55.06	68.66	80.34	—	—	—	—	—	—	—	
3200	15.29	22.88	30.19	37.07	43.57	49.67	60.63	—	—	—	—	—	—	—	—	
	12.88	19.91	26.56	32.69	38.34	43.46	—	—	—	—	—	—	—	—	—	

For Belt Length	From	To	Length (mm)		Length Correction Factor	
			# of teeth	Length (mm)	# of teeth	Length Correction Factor
1960	1625	1355	40	1130	0.65	1.20
			392	226	0.90	1.25
2000	1955	1620	45	1130	0.90	1.10
			391	270	0.95	1.15
2040	1995	1660	50	1130	1.05	1.10
			400	270	1.10	1.15

Continued on the next page

Shaded area indicates drive conditions where reduced service life can be expected.

Table 35 (Cont.) Rated Torque (Nm) for Small Pulleys - 15 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see **Step 7 of SECTION 24**, on page T-65).

5 mm Pitch PowerGrip® GT®3 Belts

Belt Width (mm)	9	15	20	25
Width Multiplier	0.60	1.00	1.33	1.67

Number of Grooves Pitch Diameter	18	20	22	24	26	28	32	36	40	44	48	56	64	72	80
	mm	28.65	31.83	35.01	38.20	41.38	44.56	50.93	57.30	63.66	70.03	76.39	89.13	101.86	114.59
inches	1.128	1.253	1.379	1.504	1.629	1.754	2.005	2.256	2.506	2.757	3.008	3.509	4.010	4.511	5.013
rpm of Fastest Shaft	10	8.84	10.58	12.32	14.03	15.74	20.83	24.19	27.52	30.84	34.14	40.67	47.14	53.56	59.95
	20	8.18	9.84	11.51	13.15	14.78	19.65	22.87	26.05	29.22	32.37	38.61	44.79	50.92	57.01
[Tabulated values are in Nm]	40	7.52	9.11	10.70	12.27	13.83	18.48	21.55	24.58	27.60	30.61	36.55	42.44	48.27	54.07
	60	7.13	8.68	10.23	11.75	13.27	17.79	20.77	23.72	26.66	29.58	35.35	41.06	46.72	52.35
rpm of Fastest Shaft	100	6.64	8.14	9.63	11.10	12.57	16.92	19.80	22.64	25.47	28.28	33.83	39.33	44.77	50.18
	200	5.98	7.40	8.82	10.22	11.61	15.75	18.48	21.17	23.85	26.51	31.78	36.98	42.13	47.24
rpm of Fastest Shaft	300	5.59	6.97	8.38	9.71	11.05	15.06	17.70	20.31	22.90	25.48	30.57	35.60	40.57	45.51
	400	5.32	6.67	8.01	9.34	10.66	14.57	17.15	19.70	22.23	24.74	29.71	34.61	39.46	44.27
rpm of Fastest Shaft	500	5.11	6.43	7.75	9.05	10.35	14.19	16.72	19.22	21.71	24.17	29.04	33.85	38.60	43.31
	600	4.93	6.24	7.54	8.82	10.10	13.88	16.37	18.83	21.28	23.70	28.49	33.22	37.88	42.51
rpm of Fastest Shaft	800	4.66	5.93	7.20	8.45	9.70	13.39	15.82	18.21	20.60	22.96	27.62	32.21	36.74	41.23
	1000	4.44	5.69	6.94	8.17	9.39	13.01	15.39	17.73	20.06	22.37	26.93	31.41	35.84	40.21
rpm of Fastest Shaft	1200	4.27	5.50	6.73	7.93	9.13	12.69	15.03	17.33	19.62	21.89	26.36	30.75	35.07	39.34
	1400	4.12	5.33	6.54	7.73	8.92	12.42	14.73	16.99	19.24	21.47	25.86	30.17	34.40	38.58
rpm of Fastest Shaft	1600	3.99	5.19	6.39	7.56	8.73	12.19	14.46	16.69	18.91	21.11	25.42	29.65	33.80	37.89
	1800	3.88	5.06	6.24	7.41	8.56	11.98	14.22	16.43	18.61	20.78	25.02	29.18	33.25	37.24
rpm of Fastest Shaft	2000	3.78	4.95	6.12	7.27	8.41	11.79	14.01	16.18	18.34	20.47	24.65	28.74	32.73	36.63
	2400	3.60	4.75	5.90	7.03	8.15	11.46	13.62	15.75	17.85	19.93	23.98	27.93	31.76	35.49
rpm of Fastest Shaft	2800	3.45	4.58	5.71	6.82	7.92	11.17	13.29	15.37	17.42	19.44	23.38	27.18	30.85	34.39
	3200	3.31	4.43	5.54	6.64	7.72	10.91	12.99	15.02	17.02	18.99	22.80	26.47	29.97	33.32
rpm of Fastest Shaft	3600	3.19	4.30	5.39	6.47	7.54	10.67	12.71	14.70	16.65	18.57	22.26	25.77	29.10	32.24
	4000	3.09	4.17	5.26	6.32	7.37	10.45	12.45	14.40	16.30	18.16	21.72	25.08	28.23	31.15
rpm of Fastest Shaft	5000	2.85	3.91	4.96	5.98	7.00	9.95	11.85	13.68	15.46	17.18	20.41	23.35	25.99	—
	6000	2.65	3.68	4.70	5.69	6.66	9.49	11.29	13.01	14.65	16.21	19.06	21.54	—	—
rpm of Fastest Shaft	8000	2.31	3.28	4.24	5.16	6.06	8.62	10.20	11.65	12.99	14.20	—	—	—	—
	10000	2.01	2.92	3.82	4.67	5.49	7.76	9.08	—	—	—	—	—	—	—
rpm of Fastest Shaft	12000	1.73	2.59	3.41	4.19	4.92	6.85	—	—	—	—	—	—	—	—
	14000	1.45	2.25	3.00	3.69	4.33	4.91	—	—	—	—	—	—	—	—

For Belt Length	From	To	Length (mm)		Length Correction Factor
			# of teeth	Length (mm)	
Length Correction Factor	200	215	260	315	0.65
	40	43	52	63	0.70
Length Correction Factor	210	255	310	370	0.80
	42	51	62	74	0.85
Length Correction Factor	220	270	330	395	0.90
	44	54	66	79	0.95
Length Correction Factor	230	285	350	420	1.00
	46	57	70	84	1.05
Length Correction Factor	240	300	370	445	1.10
	48	60	74	89	1.15
Length Correction Factor	250	315	390	470	1.20
	50	63	78	94	1.25
Length Correction Factor	260	330	410	495	1.30
	52	66	81	99	1.35
Length Correction Factor	270	345	430	520	1.40
	54	69	84	104	1.45
Length Correction Factor	280	360	450	545	1.50
	56	72	87	109	1.55
Length Correction Factor	290	375	470	570	1.60
	58	75	90	114	1.65
Length Correction Factor	300	390	490	595	1.67
	60	78	93	119	1.70

Shaded area indicates drive conditions where reduced service life can be expected.

Table 36 Rated Horsepower for Small Pulleys - 15 mm Belt Width

The following table represents the horsepower ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected horsepower rating (see **Step 7 of SECTION 24**, on page T-65). See **Table 35** for torque ratings.

5 mm Pitch PowerGrip® GT³ Belts

Belt Width (mm)	9	15	20	25
Width Multiplier	0.60	1.00	1.33	1.67

Number of Grooves	Pitch Diameter	18	20	22	24	26	28	32	36	40	44	48	56	64	72	80
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
rpm of Fastest Shaft [Tabulated values are in hp]	10	28.65	31.83	35.01	38.20	41.38	44.56	50.93	57.30	63.66	70.03	76.39	89.13	101.86	114.59	127.32
	20	1.128	1.253	1.379	1.504	1.629	1.754	2.005	2.256	2.506	2.757	3.008	3.509	4.010	4.511	5.013
	40	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.07	0.07	0.08
	60	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.08	0.09	0.11	0.13	0.16
	80	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.12	0.14	0.16	0.17	0.21	0.24	0.30
	100	0.06	0.07	0.09	0.10	0.11	0.12	0.15	0.15	0.18	0.20	0.22	0.25	0.30	0.35	0.44
	120	0.09	0.11	0.14	0.16	0.18	0.20	0.24	0.24	0.28	0.32	0.36	0.40	0.48	0.55	0.70
	140	0.17	0.21	0.25	0.29	0.33	0.36	0.44	0.44	0.52	0.59	0.67	0.74	0.89	1.04	1.33
	160	0.24	0.29	0.35	0.41	0.47	0.52	0.63	0.63	0.75	0.86	0.96	1.07	1.29	1.50	1.92
	180	0.30	0.37	0.45	0.52	0.60	0.67	0.82	0.82	0.96	1.11	1.25	1.39	1.67	1.94	2.49
	200	0.36	0.45	0.54	0.64	0.73	0.82	1.00	1.00	1.17	1.35	1.52	1.70	2.04	2.38	3.04
	220	0.42	0.53	0.64	0.74	0.85	0.96	1.17	1.17	1.38	1.59	1.79	2.00	2.40	2.80	3.58
	240	0.52	0.67	0.81	0.95	1.09	1.23	1.50	1.50	1.78	2.05	2.31	2.58	3.10	3.62	4.63
	260	0.62	0.80	0.97	1.15	1.32	1.49	1.83	1.83	2.16	2.49	2.82	3.14	3.78	4.41	5.65
	280	0.72	0.93	1.13	1.34	1.54	1.74	2.14	2.14	2.53	2.92	3.31	3.69	4.44	5.18	6.63
	300	0.81	1.05	1.29	1.52	1.75	1.98	2.44	2.44	2.90	3.34	3.78	4.22	5.08	5.93	7.58
320	0.90	1.17	1.43	1.70	1.96	2.22	2.74	2.74	3.25	3.75	4.25	4.74	5.71	6.66	8.51	
340	0.98	1.28	1.58	1.87	2.16	2.45	3.03	3.03	3.59	4.15	4.71	5.25	6.32	7.38	9.41	
360	1.06	1.39	1.72	2.04	2.36	2.68	3.31	3.31	3.93	4.55	5.15	5.75	6.92	8.07	10.29	
380	1.21	1.60	1.99	2.37	2.75	3.12	3.86	3.86	4.59	5.31	6.02	6.72	8.08	9.41	11.96	
400	1.35	1.80	2.24	2.68	3.11	3.54	4.39	4.39	5.23	6.04	6.85	7.64	9.19	10.69	13.52	
420	1.49	1.99	2.49	2.98	3.47	3.95	4.90	4.90	5.84	6.75	7.65	8.53	10.25	11.89	14.97	
440	1.61	2.17	2.73	3.27	3.81	4.34	5.40	5.40	6.43	7.43	8.42	9.39	11.25	13.03	16.30	
460	1.73	2.34	2.95	3.55	4.14	4.72	5.87	5.87	6.99	8.09	9.16	10.20	12.20	14.09	17.50	
480	2.00	2.74	3.48	4.20	4.91	5.61	6.99	6.99	8.32	9.61	10.86	12.06	14.33	16.40	18.25	
500	2.23	3.10	3.96	4.79	5.62	6.42	8.00	8.00	9.51	10.96	12.34	13.66	16.06	18.15	—	
520	2.59	3.69	4.76	5.80	6.81	7.80	9.69	9.69	11.46	13.09	14.59	15.95	—	—	—	
540	2.82	4.11	5.36	6.56	7.72	8.82	10.89	10.89	12.75	—	—	—	—	—	—	
560	2.91	4.36	5.75	7.06	8.30	9.46	11.54	—	—	—	—	—	—	—	—	
580	2.86	4.42	5.90	7.26	8.52	9.65	—	—	—	—	—	—	—	—	—	

For Belt Length	From	To	Length (mm)		Length Correction Factor	
			# of teeth	# of teeth	0.65	0.70
1960	1625	392	1130	1355	1.25	1.30
			226	271	325	392
2000	1955	400	1350	1620	1.25	1.30
			270	324	391	400
1625	1350	325	1130	1355	1.25	1.30
			226	271	325	392
1350	1080	271	1130	1355	1.25	1.30
			226	271	325	392
1080	840	217	1130	1355	1.25	1.30
			226	271	325	392
840	645	1620	1130	1355	1.25	1.30
			226	271	325	392
645	490	1260	1130	1355	1.25	1.30
			226	271	325	392
490	345	900	1130	1355	1.25	1.30
			226	271	325	392
345	200	400	1130	1355	1.25	1.30
			226	271	325	392

Continued on the next page. Shaded area indicates drive conditions where reduced service life can be expected.

Table 37 Rated Torque (lbf in.) for Small Pulleys - 6 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

3 mm Pitch PowerGrip® HTD® Belts

Belt Width (mm)	6	9	15
Width Multiplier	1.00	1.66	2.97

Number of Grooves Pitch Diameter	mm inches	10	12	14	16	18	22	26	30	34	38	44	50	56	62	72	80
			28.65 1.128	31.83 1.253	35.01 1.379	38.20 1.504	41.38 1.629	44.56 1.754	50.93 2.005	57.30 2.256	63.66 2.506	70.03 2.757	76.39 3.008	89.13 3.509	101.86 4.010	114.59 4.511	127.32 5.013
rpm of Fastest Shaft [Tabulated values are in lbf in.]	10	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	20	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	40	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	60	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	100	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	200	3.3	4.0	4.8	5.6	6.5	8.3	10.2	12.3	14.5	16.8	20.5	24.6	27.7	30.7	35.7	39.6
	300	3.0	3.7	4.4	5.1	5.9	7.5	9.2	11.1	13.0	15.0	18.3	21.8	24.6	27.3	31.6	35.2
	400	2.8	3.4	4.1	4.8	5.5	7.0	8.6	10.3	12.0	13.9	16.9	20.0	22.6	25.0	29.1	32.3
	500	2.7	3.3	3.9	4.5	5.2	6.6	8.1	9.7	11.3	13.1	15.8	18.8	21.2	23.4	27.2	30.2
	600	2.6	3.1	3.7	4.3	5.0	6.3	7.7	9.2	10.8	12.4	15.0	17.8	20.1	22.2	25.8	28.6
	700	2.5	3.0	3.6	4.2	4.8	6.1	7.4	8.9	10.4	11.9	14.4	17.0	19.2	21.2	24.6	27.4
	800	2.4	2.9	3.5	4.1	4.7	5.9	7.2	8.6	10.0	11.5	13.9	16.3	18.4	20.4	23.7	26.3
	870	2.4	2.9	3.4	4.0	4.6	5.8	7.0	8.4	9.8	11.2	13.5	15.9	18.0	19.9	23.1	25.6
	1000	2.3	2.8	3.3	3.9	4.4	5.6	6.8	8.1	9.4	10.8	13.0	15.3	17.2	19.1	22.1	24.6
	1160	2.2	2.7	3.2	3.7	4.3	5.4	6.5	7.8	9.1	10.4	12.5	14.6	16.5	18.2	21.2	23.5
	1450	2.1	2.6	3.0	3.5	4.0	5.1	6.2	7.3	8.5	9.8	11.7	13.7	15.4	17.1	19.8	22.0
1600	2.0	2.5	3.0	3.4	3.9	5.0	6.0	7.2	8.3	9.5	11.4	13.3	15.0	16.5	19.2	21.3	
1750	2.0	2.5	2.9	3.4	3.9	4.9	5.9	7.0	8.1	9.3	11.1	12.9	14.6	16.1	18.7	20.7	
2000	1.9	2.4	2.8	3.3	3.7	4.7	5.7	6.7	7.8	8.9	10.7	12.4	14.0	15.4	17.9	19.8	
2500	1.9	2.3	2.7	3.1	3.5	4.4	5.4	6.4	7.4	8.4	10.0	11.6	13.0	14.4	16.6	18.4	
3000	1.8	2.2	2.6	3.0	3.4	4.2	5.1	6.1	7.0	8.0	9.4	11.0	12.3	13.5	15.6	17.3	
3500	1.7	2.1	2.5	2.9	3.3	4.1	4.9	5.8	6.7	7.6	9.0	10.4	11.7	12.8	14.8	16.3	
5000	1.6	1.9	2.3	2.6	3.0	3.7	4.5	5.2	6.0	6.8	8.0	9.2	10.2	11.1	12.7	13.8	
8000	1.4	1.7	2.0	2.3	2.6	3.3	3.9	4.5	5.1	5.7	6.6	7.3	8.0	8.5	9.1	9.3	
10000	1.3	1.6	1.9	2.2	2.5	3.0	3.6	4.1	4.6	5.1	5.7	6.3	6.6	6.8	—	—	

For Belt Length	From	Length (mm)	144	198	264	408	600
	To	# of teeth	48	66	88	136	200
Length Correction Factor	To	Length (mm)	195	261	405	597	603 & up
		# of teeth	65	87	135	199	201 & up
		Length Correction Factor	0.80	0.90	1.00	1.10	1.20

Continued on the next page
 Shaded area indicates drive conditions where reduced service life can be expected.



Table 37 (Cont.) Rated Torque (Nm) for Small Pulleys - 6 mm Belt Width
 The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

3 mm Pitch PowerGrip® HTD® Belts

Belt Width (mm)	6	9	15
Width Multiplier	1.00	1.66	2.97

Number of Grooves Pitch Diameter	10	12	14	16	18	22	26	30	34	38	44	50	56	62	72	80	
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	
rpm of Fastest Shaft [Tabulated values are in Nm]	10	9.55 .376	11.46 .451	13.37 .526	15.28 .602	17.19 .677	21.01 .827	24.83 .977	28.65 1.128	32.47 1.278	36.29 1.429	42.02 1.654	47.75 1.880	53.48 2.105	59.21 2.331	68.75 2.707	76.39 3.008
	20	0.4	0.5	0.5	0.6	0.7	0.9	1.2	1.4	1.6	1.9	2.3	2.8	3.1	3.5	4.0	4.5
	40	0.4	0.5	0.5	0.6	0.7	0.9	1.2	1.4	1.6	1.9	2.3	2.8	3.1	3.5	4.0	4.5
	60	0.4	0.5	0.5	0.6	0.7	0.9	1.2	1.4	1.6	1.9	2.3	2.8	3.1	3.5	4.0	4.5
	100	0.4	0.5	0.5	0.6	0.7	0.9	1.2	1.4	1.6	1.9	2.3	2.8	3.1	3.5	4.0	4.5
	200	0.4	0.5	0.5	0.6	0.7	0.9	1.2	1.4	1.6	1.9	2.3	2.8	3.1	3.5	4.0	4.5
	300	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	1.7	2.1	2.5	2.8	3.1	3.6	4.0
	400	0.3	0.4	0.5	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.3	2.6	2.8	3.3	3.6
	500	0.3	0.4	0.4	0.5	0.6	0.7	0.9	1.1	1.3	1.5	1.8	2.1	2.4	2.6	3.1	3.4
	600	0.3	0.4	0.4	0.5	0.6	0.7	0.9	1.0	1.2	1.4	1.7	2.0	2.3	2.5	2.9	3.2
	700	0.3	0.3	0.4	0.5	0.5	0.7	0.8	1.0	1.2	1.3	1.6	1.9	2.2	2.4	2.8	3.1
	800	0.3	0.3	0.4	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.6	1.8	2.1	2.3	2.7	3.0
	870	0.3	0.3	0.4	0.4	0.5	0.7	0.8	0.9	1.1	1.3	1.5	1.8	2.0	2.2	2.6	2.9
	1000	0.3	0.3	0.4	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.5	1.7	1.9	2.2	2.5	2.8
	1160	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.9	1.0	1.2	1.4	1.7	1.9	2.1	2.4	2.7
	1450	0.2	0.3	0.3	0.4	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.7	1.9	2.2	2.5
1600	0.2	0.3	0.3	0.4	0.4	0.6	0.7	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	
1750	0.2	0.3	0.3	0.4	0.4	0.5	0.7	0.8	0.9	1.0	1.3	1.5	1.6	1.8	2.1	2.3	
2000	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.4	1.6	1.7	2.0	2.2	
2500	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.3	1.5	1.6	1.9	2.1	
3000	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.5	1.8	1.9	
3500	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8	
5000	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.6	
8000	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1	
10000	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	—	—	

Shaded area indicates drive conditions where reduced service life can be expected.

For Belt Length	Length (mm)		144	198	264	408	600
	From	To	48	66	88	136	200
Length Correction Factor	Length (mm)		195	261	405	597	603 & up
	# of teeth		65	87	135	199	201 & up
Length Correction Factor		0.80		0.90	1.00	1.10	1.20

Table 38 Rated Torque (lbf in.) for Small Pulleys - 9 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

5 mm Pitch PowerGrip® HTD® Belts

Belt Width (mm)	9	15	25
Width Multiplier	1.00	1.89	3.38

Number of Grooves	Pitch Diameter	14	16	18	20	22	24	26	28	32	36	40	44	48	56	64	72
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	19.0	9.55	11.46	13.37	15.28	17.19	21.01	24.83	28.65	32.47	36.29	42.02	47.75	53.48	59.21	68.75	76.39
20	19.0	.376	.451	.526	.602	.677	.827	.977	1.128	1.278	1.429	1.654	1.880	2.105	2.331	2.707	3.008
30	19.0	19.0	22.3	25.7	29.3	33.0	36.9	40.9	45.1	53.8	63.1	73.0	83.5	94.5	113.3	129.5	145.7
40	19.0	19.0	22.3	25.7	29.3	33.0	36.9	40.9	45.1	53.8	63.1	73.0	83.5	94.5	113.3	129.5	145.7
60	19.0	19.0	22.3	25.7	29.3	33.0	36.9	40.9	45.1	53.8	63.1	73.0	83.5	94.5	113.3	129.5	145.7
100	19.0	19.0	22.3	25.7	29.3	33.0	36.9	40.9	45.1	53.8	63.1	73.0	83.5	94.5	113.3	129.5	145.7
200	19.0	19.0	22.3	25.7	29.3	33.0	36.9	40.9	45.1	53.8	63.1	73.0	83.5	94.5	113.3	129.5	145.7
300	17.3	20.2	23.3	26.5	29.9	33.3	36.9	40.9	46.6	48.3	56.5	65.2	74.4	84.0	100.4	114.8	129.1
400	16.2	18.9	21.8	24.7	27.8	31.0	34.3	37.7	44.8	44.8	52.3	60.2	68.5	77.2	92.2	105.3	118.5
500	15.3	17.9	20.6	23.4	26.3	29.3	32.4	35.6	42.2	42.2	49.2	56.5	64.3	72.3	86.2	98.5	110.8
600	14.7	17.2	19.7	22.4	25.1	28.0	30.9	33.9	40.2	40.2	46.8	53.7	61.0	68.5	81.7	93.3	104.9
700	14.2	16.5	19.0	21.6	24.2	26.9	29.7	32.6	38.6	38.6	44.9	51.5	58.3	65.5	78.0	89.1	100.1
800	13.7	16.0	18.4	20.9	23.4	26.0	28.7	31.5	37.2	37.2	43.3	49.6	56.1	63.0	74.9	85.5	96.2
870	13.5	15.7	18.0	20.4	22.9	25.5	28.1	30.8	36.4	36.4	42.3	48.4	54.8	61.4	73.0	83.4	93.7
1000	13.0	15.2	17.4	19.8	22.1	24.6	27.1	29.7	35.1	35.1	40.7	46.5	52.6	58.9	70.0	79.9	89.8
1160	12.6	14.7	16.8	19.1	21.3	23.7	26.1	28.6	33.7	33.7	39.1	44.6	50.4	56.4	66.9	76.3	85.7
1400	12.0	14.0	16.1	18.2	20.4	22.6	24.9	27.2	32.0	32.0	37.1	42.3	47.7	53.2	63.1	71.9	80.7
1450	11.9	13.9	15.9	18.0	20.2	22.4	24.6	26.8	31.7	31.7	36.7	41.9	47.2	52.7	62.4	71.1	79.8
1600	11.7	13.6	15.6	17.6	19.7	21.8	24.0	26.3	30.9	30.9	35.7	40.7	45.8	51.1	60.4	68.9	77.2
1750	11.4	13.3	15.2	17.2	19.2	21.3	23.5	25.6	30.1	30.1	34.8	39.6	44.6	49.7	58.7	66.8	74.9
1800	11.3	13.2	15.1	17.1	19.1	21.2	23.3	25.5	29.9	29.9	34.5	39.3	44.2	49.2	58.2	66.2	74.1
2000	11.1	12.9	14.7	16.6	18.6	20.6	22.7	24.7	29.0	29.0	33.5	38.1	42.8	47.6	56.2	63.9	71.4
2500	10.5	12.2	13.9	15.7	17.6	19.4	21.3	23.3	27.3	27.3	31.4	35.6	39.9	44.2	51.9	58.8	65.5
3000	10.0	11.7	13.3	15.0	16.7	18.5	20.3	22.1	25.8	25.8	29.7	33.5	37.5	41.5	48.5	54.6	60.5
3600	9.6	11.1	12.7	14.3	15.9	17.6	19.3	21.0	24.4	24.4	27.9	31.5	35.1	38.6	44.8	50.1	55.0
5000	8.8	10.2	11.6	13.1	14.5	15.9	17.4	18.9	21.8	21.8	24.7	27.6	30.4	33.1	37.4	40.6	43.0
8000	7.8	8.9	10.1	11.2	12.3	13.4	14.4	15.4	17.3	17.3	19.0	20.4	21.5	22.3	—	—	—
10000	7.2	8.2	9.2	10.1	11.0	11.9	12.7	13.4	14.5	14.5	15.3	—	—	—	—	—	—

Continued on the next page

Shaded area indicates drive conditions where reduced service life can be expected.

For Belt Length	Length (mm)		Length Correction Factor
	From	To	
1095	350	845	1.00
	70	169	
219	435	1090	1.10
	87	218	
1100 & up	87	218	0.90
	110	220 & up	
220 & up	0.80	1.10	1.20
	0.90	1.20	



Table 38 Rated Torque (Nm) for Small Pulleys - 9 mm Belt Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor and applicable belt length factor to obtain the corrected torque rating (see Step 7 of SECTION 24, on page T-65).

5 mm Pitch PowerGrip® HTD® Belts

Belt Width (mm)	9	15	25
Width Multiplier	1.00	1.89	3.38

Number of Grooves Pitch Diameter	14	16	18	20	22	24	26	28	32	36	40	44	48	56	64	72	
	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	
rpm of Fastest Shaft	10	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	8.3	9.4	10.7	12.8	14.6	16.5	
	20	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	8.3	9.4	10.7	12.8	14.6	16.5	
	40	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	8.3	9.4	10.7	12.8	14.6	16.5	
	60	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	8.3	9.4	10.7	12.8	14.6	16.5	
	100	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	8.3	9.4	10.7	12.8	14.6	16.5	
	200	2.1	2.5	2.9	3.3	3.7	4.2	4.6	5.1	6.1	7.1	8.3	9.4	10.7	12.8	14.6	16.5
	300	2.0	2.3	2.6	3.0	3.4	3.8	4.2	4.6	5.5	6.4	7.4	8.4	9.5	11.3	13.0	14.6
	400	1.8	2.1	2.5	2.8	3.1	3.5	3.9	4.3	5.1	5.9	6.8	7.7	8.7	10.4	11.9	13.4
	500	1.7	2.0	2.3	2.6	3.0	3.3	3.7	4.0	4.8	5.6	6.4	7.3	8.2	9.7	11.1	12.5
	600	1.7	1.9	2.2	2.5	2.8	3.2	3.5	3.8	4.5	5.3	6.1	6.9	7.7	9.2	10.5	11.9
[Tabulated values are in Nm]	700	1.6	1.9	2.1	2.4	2.7	3.0	3.4	4.4	5.1	5.8	6.6	7.4	8.8	10.1	11.3	
	800	1.6	1.8	2.1	2.4	2.6	2.9	3.2	4.2	4.9	5.6	6.3	7.1	8.5	9.7	10.9	
	870	1.5	1.8	2.0	2.3	2.6	2.9	3.2	3.5	4.1	4.8	5.5	6.2	6.9	8.2	9.4	10.6
	1000	1.5	1.7	2.0	2.2	2.5	2.8	3.1	3.4	4.0	4.6	5.3	5.9	6.7	7.9	9.0	10.1
	1160	1.4	1.7	1.9	2.2	2.4	2.7	3.0	3.2	3.8	4.4	5.0	5.7	6.4	7.6	8.6	9.7
	1400	1.4	1.6	1.8	2.1	2.3	2.6	2.8	3.1	3.6	4.2	4.8	5.4	6.0	7.1	8.1	9.1
	1450	1.3	1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.6	4.1	4.7	5.3	6.0	7.0	8.0	9.0
	1600	1.3	1.5	1.8	2.0	2.2	2.5	2.7	3.0	3.5	4.0	4.6	5.2	5.8	6.8	7.8	8.7
	1750	1.3	1.5	1.7	1.9	2.2	2.4	2.7	2.9	3.4	3.9	4.5	5.0	5.6	6.6	7.6	8.5
	1800	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.9	3.4	3.9	4.4	5.0	5.6	6.6	7.5	8.4
2000	1.3	1.5	1.7	1.9	2.1	2.3	2.6	2.8	3.3	3.8	4.3	4.8	5.4	6.3	7.2	8.1	
2500	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.1	3.5	4.0	4.5	5.0	5.9	6.6	7.4	
3000	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.9	3.4	3.8	4.2	4.7	5.5	6.2	6.8	
3600	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.4	2.8	3.2	3.6	4.0	4.4	5.1	5.7	6.2	
5000	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.5	2.8	3.1	3.4	3.7	4.2	4.6	4.9	
8000	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.7	2.0	2.1	2.3	2.4	2.5	—	—	—	
10000	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	—	—	—	—	—	—	

Shaded area indicates drive conditions where reduced service life can be expected.

For Belt Length	From	Length (mm)	350	440	555	845	1095
	To	# of teeth	70	88	111	169	219
Length Correction Factor	To	Length (mm)	435	550	840	1090	1100 & up
	From	# of teeth	87	110	168	218	220 & up
Length Correction Factor			0.80	0.90	1.00	1.10	1.20

Table 39 Rated Torque (ozf in.) for Small Pulleys - 1/8" Top Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor to obtain the corrected torque rating (see **Step 7** of **SECTION 24**, on page **T-65**).

MXL (.080 in.) Belts

Belt Width (in.)	1/8	3/16	1/4	5/16	3/8	7/16	1/2
Width Multiplier	1.00	1.89	2.33	2.84	3.50	4.18	4.86

No. of Grooves		10	11	12	14	15	16	18	20	21	22
Pitch Diameter	mm	6.48	7.11	7.77	9.07	9.70	10.34	11.63	12.93	13.59	14.22
	in	.255	.280	.306	.357	.382	.407	.458	.509	.535	.560
rpm of Fastest Shaft	10	4.61	5.06	5.53	6.45	6.91	7.36	8.28	9.20	9.67	10.10
	100	4.61	5.06	5.53	6.45	6.91	7.36	8.28	9.20	9.67	10.10
	1000	4.61	5.06	5.53	6.45	6.91	7.36	8.28	9.20	9.67	10.10
	2000	4.61	5.06	5.53	6.45	6.90	7.36	8.28	9.20	9.67	10.10
	2500	4.61	5.06	5.53	6.45	6.90	7.35	8.28	9.20	9.66	10.10
	3000	4.61	5.06	5.53	6.45	6.90	7.35	8.27	9.19	9.66	10.10
	3500	4.61	5.06	5.53	6.45	6.90	7.35	8.27	9.19	9.66	10.10
	5000	4.61	5.06	5.53	6.44	6.89	7.34	8.26	9.17	9.64	10.10
	8000	4.60	5.05	5.52	6.43	6.87	7.32	8.22	9.12	9.58	10.00
	10000	4.59	5.04	5.51	6.41	6.85	7.30	8.19	9.08	9.53	9.96
	12000	4.59	5.03	5.49	6.39	6.83	7.27	8.15	9.03	9.47	9.98

No. of Grooves		24	28	30	32	36	40	42	44	48	60
Pitch Diameter	mm	15.52	18.11	19.41	20.70	23.29	25.88	27.18	28.45	31.04	38.81
	in	.611	.713	.764	.815	.917	1.019	1.070	1.120	1.222	1.528
rpm of Fastest Shaft	10	11.0	12.9	13.8	14.7	16.6	18.4	19.3	20.2	22.1	27.6
	100	11.0	12.9	13.8	14.7	16.6	18.4	19.3	20.2	22.1	27.6
	1000	11.0	12.9	13.8	14.7	16.6	18.4	19.3	20.2	22.1	27.6
	2000	11.0	12.9	13.8	14.7	16.6	18.4	19.3	20.2	22.0	27.5
	2500	11.0	12.9	13.8	14.7	16.5	18.4	19.3	20.2	22.0	27.4
	3000	11.0	12.9	13.8	14.7	16.5	18.3	19.2	20.1	21.9	27.3
	3500	11.0	12.8	13.8	14.7	16.5	18.3	19.2	20.1	21.9	27.2
	5000	11.0	12.8	13.7	14.6	16.4	18.2	19.1	19.9	21.7	26.8
	8000	10.9	12.7	13.5	14.4	16.1	17.8	18.6	19.4	21.0	25.5
	10000	10.8	12.6	13.4	14.2	15.9	17.4	18.2	18.9	20.4	24.3
	12000	10.7	12.4	13.2	14.0	15.5	17.0	17.7	18.4	19.6	22.8

NOTE: Tabulated values are in ozf in.

Table 40 Rated Torque (lbf in.) for Small Pulleys - 1/4" Top Width

The following table represents the torque ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor to obtain the corrected torque rating (see **Step 7** of **SECTION 24**, on page **T-65**).

XL (.200 in.) Belts

Belt Width (in.)	1/4	5/16	3/8	7/16	1/2
Width Multiplier	1.00	1.29	1.59	1.89	2.20

No. of Grooves		10	11	12	14	15	16	18
Pitch Diameter	mm	6.48	7.11	7.77	9.07	9.70	10.34	11.63
	inches	.255	.280	.306	.357	.382	.407	.458
rpm of Fastest Shaft	10	2.32	2.55	2.78	3.24	3.47	3.71	4.17
	100	2.32	2.55	2.78	3.24	3.47	3.71	4.17
	500	2.32	2.55	2.78	3.24	3.47	3.70	4.17
	1000	2.32	2.54	2.78	3.24	3.47	3.70	4.16
	1160	2.32	2.54	2.78	3.24	3.47	3.70	4.16
	1450	2.31	2.54	2.78	3.24	3.47	3.70	4.16
	1600	2.31	2.54	2.78	3.24	3.47	3.70	4.16
	1750	2.31	2.54	2.77	3.23	3.47	3.70	4.15
	2000	2.31	2.54	2.77	3.23	3.46	3.69	4.15
	2500	2.31	2.54	2.77	3.23	3.46	3.69	4.14
	3000	2.31	2.54	2.77	3.22	3.45	3.68	4.13
	3500	2.31	2.53	2.76	3.22	3.44	3.67	4.12
	5000	2.30	2.52	2.75	3.19	3.41	3.63	4.06
	8000	2.27	2.48	2.70	3.11	3.32	3.52	3.90
	10000	2.24	2.45	2.65	3.04	3.23	3.41	3.75

No. of Grooves		20	21	22	24	28	30
Pitch Diameter	mm	12.93	13.59	15.52	18.11	19.41	20.70
	inches	.509	.535	.611	.713	.764	.815
rpm of Fastest Shaft	10	4.63	4.86	5.09	5.56	6.48	6.95
	100	4.63	4.86	5.09	5.56	6.48	6.95
	500	4.63	4.86	5.09	5.55	6.48	6.94
	1000	4.62	4.86	5.09	5.55	6.47	6.93
	1160	4.62	4.85	5.08	5.54	6.46	6.92
	1450	4.62	4.85	5.08	5.54	6.45	6.90
	1600	4.61	4.84	5.07	5.53	6.44	6.90
	1750	4.61	4.84	5.07	5.53	6.44	6.89
	2000	4.61	4.84	5.06	5.52	6.42	6.87
	2500	4.59	4.82	5.05	5.49	6.38	6.82
	3000	4.58	4.80	5.03	5.47	6.34	6.77
	3500	4.56	4.78	5.00	5.43	6.29	6.71
	5000	4.48	4.69	4.90	5.31	6.09	6.46
	8000	4.26	4.43	4.60	4.92	5.47	5.70
	10000	4.05	4.19	4.32	4.56	4.89	4.99

NOTE: Tabulated values are in lbf in.

Table 41 Rated Horsepower for Small Pulleys - 10 mm Width

The following table represents the horsepower ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor to obtain the corrected torque rating (see **Step 7** of **SECTION 24**, on page **T-65**).

T5 mm Pitch Belts					
Belt Width (mm)	4	6	10	16	25
Width Multiplier	0.4	0.6	1.0	1.6	2.5

Number of Grooves Pitch Diameter	mm		12	14	15	16	18	19	20	22	24	26	28	30	32	40	60
	inches																
100	0.01	0.13	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.07	0.09
300	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.11	0.13	0.20
500	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.11	0.11	0.12	0.13	0.13	0.15	0.16	0.17	0.21	0.32
700	0.08	0.11	0.11	0.11	0.11	0.12	0.13	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.30	0.43
1000	0.12	0.13	0.15	0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.24	0.25	0.27	0.30	0.31	0.39	0.59
1200	0.13	0.16	0.17	0.16	0.17	0.19	0.20	0.21	0.23	0.25	0.27	0.30	0.32	0.35	0.36	0.46	0.68
1300	0.15	0.17	0.19	0.19	0.19	0.20	0.21	0.23	0.24	0.27	0.30	0.32	0.34	0.36	0.39	0.48	0.72
1500	0.16	0.19	0.20	0.19	0.20	0.21	0.24	0.25	0.27	0.30	0.32	0.35	0.38	0.40	0.43	0.55	0.82
1600	0.17	0.20	0.21	0.20	0.21	0.23	0.25	0.27	0.28	0.31	0.35	0.38	0.40	0.43	0.46	0.58	0.86
1800	0.19	0.21	0.23	0.21	0.23	0.25	0.28	0.30	0.31	0.35	0.38	0.40	0.44	0.47	0.50	0.63	0.94
2000	0.20	0.24	0.25	0.24	0.25	0.27	0.31	0.32	0.34	0.38	0.40	0.44	0.47	0.51	0.54	0.67	1.02
2200	0.21	0.25	0.27	0.25	0.27	0.30	0.32	0.35	0.36	0.40	0.43	0.47	0.51	0.55	0.58	0.72	1.09
2300	0.23	0.27	0.28	0.27	0.28	0.30	0.34	0.36	0.38	0.42	0.44	0.48	0.52	0.56	0.60	0.75	1.13
2500	0.24	0.28	0.30	0.28	0.30	0.32	0.36	0.38	0.40	0.44	0.48	0.51	0.55	0.59	0.63	0.79	1.19
2700	0.25	0.30	0.31	0.28	0.30	0.34	0.38	0.40	0.42	0.46	0.50	0.55	0.59	0.63	0.67	0.83	1.26
2800	0.25	0.30	0.32	0.30	0.32	0.35	0.39	0.40	0.43	0.47	0.51	0.56	0.60	0.64	0.68	0.86	1.29
3000	0.27	0.31	0.34	0.31	0.34	0.36	0.40	0.43	0.46	0.50	0.54	0.59	0.63	0.67	0.72	0.90	1.35
3200	0.28	0.34	0.35	0.34	0.35	0.38	0.43	0.44	0.47	0.52	0.56	0.62	0.66	0.71	0.75	0.94	1.41
3600	0.31	0.36	0.38	0.36	0.38	0.40	0.46	0.48	0.51	0.56	0.60	0.66	0.71	0.76	0.82	1.02	1.53
4000	0.32	0.38	0.40	0.38	0.40	0.43	0.50	0.52	0.55	0.60	0.66	0.71	0.76	0.82	0.87	1.09	1.64
4200	0.34	0.39	0.42	0.42	0.42	0.44	0.51	0.54	0.56	0.62	0.67	0.72	0.79	0.84	0.90	1.13	1.69
4600	0.36	0.42	0.44	0.44	0.44	0.47	0.54	0.56	0.59	0.66	0.71	0.78	0.83	0.90	0.95	1.19	1.78
4800	0.36	0.43	0.46	0.46	0.46	0.48	0.55	0.58	0.62	0.67	0.74	0.79	0.86	0.91	0.98	1.22	1.84
5000	0.38	0.44	0.47	0.44	0.47	0.50	0.56	0.59	0.63	0.68	0.75	0.82	0.87	0.94	1.01	1.25	1.88
5500	—	—	—	—	—	0.54	0.60	0.63	0.67	0.72	0.79	0.86	0.93	0.99	1.06	1.33	2.00
6000	—	—	—	—	—	0.56	0.63	0.67	0.70	0.76	0.84	0.91	0.98	1.05	1.11	1.39	2.09
7000	—	—	—	—	—	0.62	0.68	0.72	0.76	0.84	0.93	0.99	1.07	1.15	1.22	1.53	—
8000	—	—	—	—	—	—	0.74	0.79	0.83	0.91	0.99	1.07	1.15	1.23	1.33	1.65	—
9000	—	—	—	—	—	—	0.79	0.84	0.89	0.97	1.06	1.15	1.23	1.33	1.41	1.77	—
10000	—	—	—	—	—	—	0.84	0.89	0.94	1.03	1.13	1.22	1.31	1.41	1.50	—	—

Shaded area indicates drive conditions where reduced service life can be expected.

Table 42 Rated Horsepower for Small Pulleys - 10 mm Width

The following table represents the horsepower ratings for each belt, in its base width, at the predetermined number of grooves, pitch diameters and rpm's. These ratings must be multiplied by the appropriate width factor to obtain the corrected torque rating (see **Step 7 of SECTION 24**, on page T-65).

T10 mm Pitch Belts					
Belt Width (mm)	4	6	10	16	25
Width Multiplier	0.4	0.6	1.0	1.6	2.5

Number of Grooves Pitch Diameter	12		14		15		16		18		20		21		24		25		26		27		30		40		48		50		72	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches		
rpm of Fastest Shaft	100	0.05	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.19	0.23	0.23	0.23	0.23	0.34			
	200	0.09	0.11	0.11	0.12	0.12	0.13	0.13	0.15	0.15	0.16	0.16	0.17	0.17	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.24	0.32	0.39	0.39	0.40	0.40	0.59			
	500	0.21	0.25	0.25	0.27	0.27	0.28	0.28	0.32	0.32	0.35	0.35	0.38	0.38	0.43	0.43	0.44	0.44	0.46	0.46	0.48	0.48	0.54	0.71	0.86	0.86	0.89	0.89	1.27			
	600	0.25	0.30	0.30	0.31	0.31	0.34	0.34	0.38	0.38	0.42	0.42	0.44	0.44	0.50	0.50	0.52	0.52	0.54	0.54	0.56	0.56	0.63	0.83	0.99	0.99	1.05	1.05	1.50			
	800	0.32	0.38	0.38	0.40	0.40	0.43	0.43	0.48	0.48	0.54	0.54	0.56	0.56	0.64	0.64	0.67	0.67	0.70	0.70	0.72	0.72	0.79	1.06	1.27	1.27	1.33	1.33	1.92			
	1000	0.39	0.44	0.44	0.48	0.48	0.51	0.51	0.58	0.58	0.64	0.64	0.67	0.67	0.76	0.76	0.80	0.80	0.83	0.83	0.86	0.86	0.97	1.27	1.54	1.54	1.60	1.60	2.31			
	1200	0.44	0.52	0.52	0.56	0.56	0.59	0.59	0.67	0.67	0.74	0.74	0.78	0.78	0.89	0.89	0.93	0.93	0.97	0.97	1.01	1.01	1.11	1.49	1.78	1.78	1.85	1.85	2.67			
	1400	0.51	0.59	0.59	0.63	0.63	0.67	0.67	0.75	0.75	0.84	0.84	0.89	0.89	1.01	1.01	1.05	1.05	1.09	1.09	1.13	1.13	1.26	1.68	2.01	2.01	2.09	2.09	3.02			
	1500	0.54	0.62	0.62	0.67	0.67	0.71	0.71	0.79	0.79	0.89	0.89	0.93	0.93	1.06	1.06	1.11	1.11	1.15	1.15	1.19	1.19	1.33	1.77	2.12	2.12	2.21	2.21	3.19			
	1600	0.56	0.66	0.66	0.70	0.70	0.75	0.75	0.83	0.83	0.93	0.93	0.98	0.98	1.11	1.11	1.17	1.17	1.21	1.21	1.26	1.26	1.39	1.86	2.24	2.24	2.32	2.32	3.35			
	1800	0.62	0.71	0.71	0.76	0.76	0.82	0.82	0.91	0.91	1.02	1.02	1.07	1.07	1.22	1.22	1.27	1.27	1.33	1.33	1.37	1.37	1.53	2.04	2.44	2.44	2.55	2.55	3.66			
	2000	0.66	0.76	0.76	0.83	0.83	0.89	0.89	0.99	0.99	1.10	1.10	1.15	1.15	1.33	1.33	1.38	1.38	1.43	1.43	1.49	1.49	1.65	2.20	2.64	2.64	2.75	2.75	3.97			
	2200	0.71	0.83	0.83	0.89	0.89	0.94	0.94	1.05	1.05	1.18	1.18	1.23	1.23	1.42	1.42	1.48	1.48	1.53	1.53	1.60	1.60	1.77	2.36	2.83	2.83	2.95	2.95	4.25			
	2400	0.75	0.89	0.89	0.94	0.94	1.01	1.01	1.13	1.13	1.26	1.26	1.31	1.31	1.52	1.52	1.57	1.57	1.64	1.64	1.70	1.70	1.89	2.52	3.02	3.02	3.14	3.14	4.53			
	2500	0.78	0.91	0.91	0.97	0.97	1.03	1.03	1.17	1.17	1.30	1.30	1.35	1.35	1.56	1.56	1.62	1.62	1.69	1.69	1.74	1.74	1.94	2.59	3.11	3.11	3.23	3.23	4.67			
	2600	0.80	0.94	0.94	0.99	0.99	1.06	1.06	1.19	1.19	1.33	1.33	1.39	1.39	1.60	1.60	1.66	1.66	1.73	1.73	1.80	1.80	2.00	2.67	3.19	3.19	3.33	3.33	—			
2800	0.84	0.98	0.98	1.05	1.05	1.13	1.13	1.26	1.26	1.41	1.41	1.48	1.48	1.69	1.69	1.76	1.76	1.82	1.82	1.89	1.89	2.11	2.80	3.37	3.37	3.51	3.51	—				
3000	—	1.03	1.03	1.10	1.10	1.18	1.18	1.33	1.33	1.48	1.48	1.54	1.54	1.77	1.77	1.84	1.84	1.92	1.92	1.98	1.98	2.21	2.95	3.53	3.53	3.67	3.67	—				
3200	—	1.07	1.07	1.15	1.15	1.23	1.23	1.38	1.38	1.54	1.54	1.61	1.61	1.85	1.85	1.92	1.92	2.00	2.00	2.08	2.08	2.31	3.08	3.69	3.69	3.85	3.85	—				
3400	—	1.13	1.13	1.21	1.21	1.29	1.29	1.45	1.45	1.61	1.61	1.69	1.69	1.93	1.93	2.00	2.00	2.08	2.08	2.16	2.16	2.40	3.20	3.85	3.85	4.01	4.01	—				
3600	—	1.17	1.17	1.25	1.25	1.33	1.33	1.50	1.50	1.66	1.66	1.76	1.76	2.00	2.00	2.08	2.08	2.17	2.17	2.25	2.25	2.49	3.34	3.97	3.97	4.17	4.17	—				
3800	—	1.21	1.21	1.30	1.30	1.38	1.38	1.56	1.56	1.73	1.73	1.81	1.81	2.08	2.08	2.16	2.16	2.25	2.25	2.33	2.33	2.59	3.46	—	—	—	—	—				
4000	—	—	—	—	—	1.43	1.43	1.61	1.61	1.78	1.78	1.88	1.88	2.15	2.15	2.24	2.24	2.32	2.32	2.41	2.41	2.68	3.58	—	—	—	—	—				
4200	—	—	—	—	—	1.48	1.48	1.66	1.66	1.85	1.85	1.94	1.94	2.21	2.21	2.31	2.31	2.40	2.40	2.49	2.49	2.76	3.69	—	—	—	—	—				
4400	—	—	—	—	—	1.52	1.52	1.72	1.72	1.90	1.90	2.00	2.00	2.28	2.28	2.37	2.37	2.47	2.47	2.57	2.57	2.86	3.81	—	—	—	—	—				
4600	—	—	—	—	—	1.57	1.57	1.76	1.76	1.96	1.96	2.05	2.05	2.35	2.35	2.44	2.44	2.55	2.55	2.64	2.64	2.94	—	—	—	—	—	—				
4800	—	—	—	—	—	1.61	1.61	1.81	1.81	2.01	2.01	2.12	2.12	2.41	2.41	2.52	2.52	2.61	2.61	2.72	2.72	3.02	—	—	—	—	—	—				
5000	—	—	—	—	—	1.65	1.65	1.86	1.86	2.07	2.07	2.17	2.17	2.48	2.48	2.57	2.57	2.68	2.68	2.79	2.79	3.10	—	—	—	—	—	—				
5500	—	—	—	—	—	1.76	1.76	1.97	1.97	2.19	2.19	2.31	2.31	2.63	2.63	2.74	2.74	2.86	2.86	2.96	2.96	3.29	—	—	—	—	—	—				
6000	—	—	—	—	—	1.85	1.85	2.08	2.08	2.32	2.32	2.43	2.43	2.78	2.78	2.90	2.90	3.00	3.00	3.12	3.12	3.47	—	—	—	—	—	—				

Shaded area indicates drive conditions where reduced service life can be expected.