

25 POWERGRIP™ GT4 8MGT & 14MGT

PREMIUM EPDM RUBBER SYNCHRONOUS BELT WITH OPTIMISED GT TOOTH PROFILE



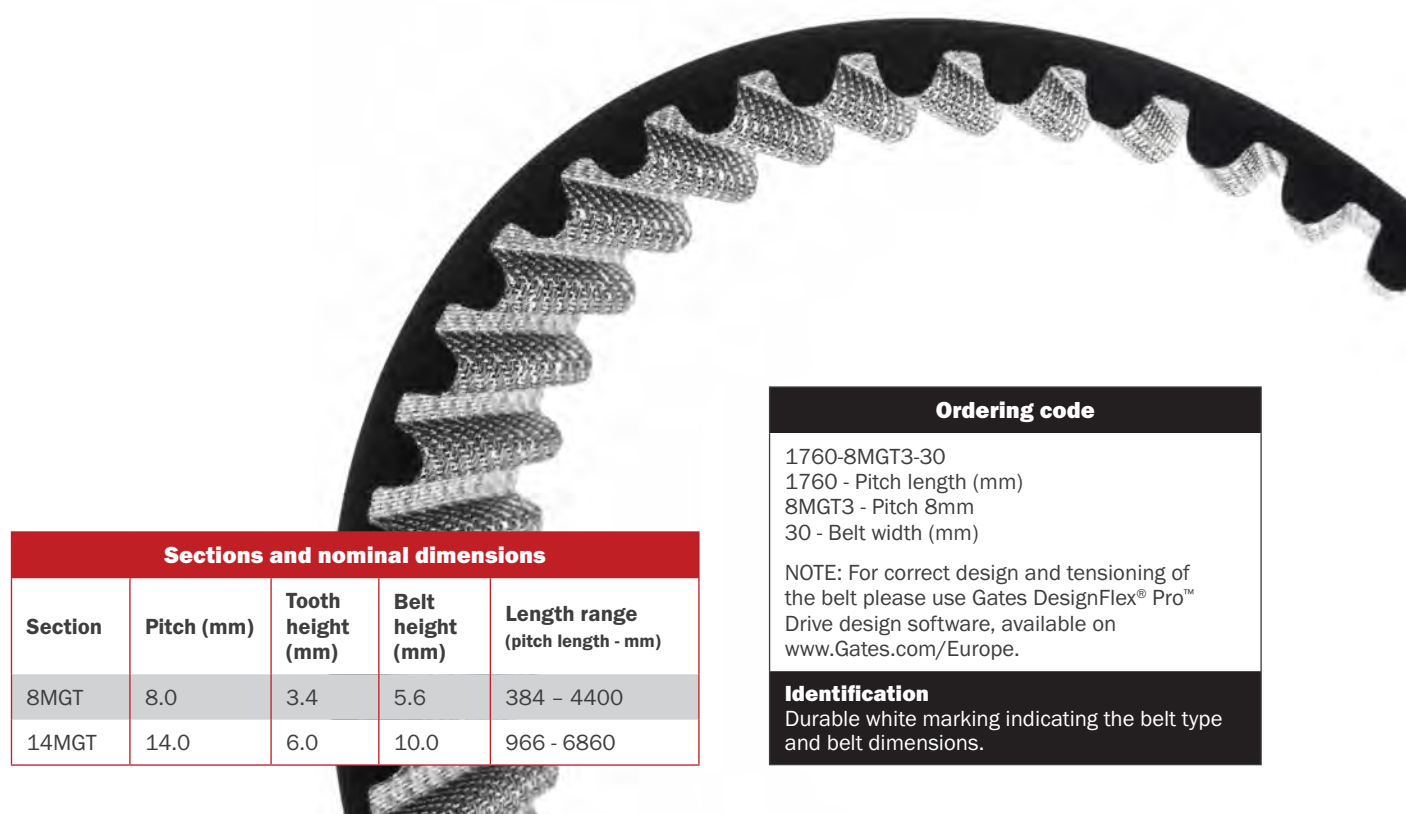
PowerGrip® GT3 is made of a highly advanced combination of materials. This technically advanced belt covers a very wide range of industrial applications. This synchronous belt transmits up to 30% more power than previous generation belts (PowerGrip® GT2). This entire belt range is suited both for new drive designs as for replacements on existing drives without any adaptation of the system. The 8MGT and 14MGT pitches are the optimum choice for high performance drives in the machine tool, paper and textile industries where durability and low maintenance are required.

CONSTRUCTION

- Technically advanced compound with fibre glass tensile cord, elastomeric teeth and backing and nylon facing.
- Elastomeric backing protects the cords from environmental pollution and frictional wear.
- Helically wound fibre glass tensile member gives enormous strength, flex life and elongation resistance.
- Low friction nylon facing protects the tooth surface against wear.
- Precision-formed and accurately spaced elastomeric teeth.
- Silicone-free and therefore suited for painting processes.
- Standard widths of 20, 30, 50, 85mm (8MGT); 40, 55, 85, 115, 170mm (14MGT). Other widths available on request.

BENEFITS

- Substantially increased power ratings: up to 30% more than previous constructions.
- Reduced maintenance costs thanks to longer service life.
- Compact, light-weight and cost-effective drives.
- High tooth jump resistance.
- No lubrication needed.
- Static conductive (ISO 9563) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- On demand available in PowerPaint™ construction, to eliminate paint contamination risk (see p. 40).
- Temperature range: -30 °C to + 100 °C.
- Perfect fit on HTD® profile pulleys



Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.4	5.6	384 - 4400
14MGT	14.0	6.0	10.0	966 - 6860

Ordering code

1760-8MGT3-30
1760 - Pitch length (mm)
8MGT3 - Pitch 8mm
30 - Belt width (mm)

NOTE: For correct design and tensioning of the belt please use Gates DesignFlex® Pro™ Drive design software, available on www.Gates.com/Europe.

Identification

Durable white marking indicating the belt type and belt dimensions.

8MGT

Passo: 8 mm

Descrizione	Lunghezza primitiva mm	Numero di denti
384-8MGT3	384	48
480-8MGT3	480	60
560-8MGT3	560	70
600-8MGT3	600	75
640-8MGT3	640	80
720-8MGT3	720	90
800-8MGT3	800	100
840-8MGT3	840	105
880-8MGT3	880	110
920-8MGT3	920	115
960-8MGT3	960	120
1040-8MGT3	1040	130
1064-8MGT3	1064	133
1120-8MGT3	1120	140
1160-8MGT3	1160	145
1200-8MGT3	1200	150
1280-8MGT3	1280	160
1440-8MGT3	1440	180
1512-8MGT3	1512	189
1584-8MGT3	1584	198
1600-8MGT3	1600	200
1760-8MGT3	1760	220
1800-8MGT3	1800	225
2000-8MGT3	2000	250
2400-8MGT3	2400	300
2600-8MGT3	2600	325
2800-8MGT3	2800	350
3048-8MGT3	3048	381
3280-8MGT3	3280	410
3600-8MGT3	3600	450
4400-8MGT3	4400	550

LARGHEZZE STANDARD in mm

20 - 30 - 50 - 85**14MGT**

Passo: 14 mm

Descrizione	Lunghezza primitiva mm	Numero di denti
966-14MGT3	966	69
1190-14MGT3	1190	85
1400-14MGT3	1400	100
1610-14MGT3	1610	115
1750-14MGT3	1750	125
1778-14MGT3	1778	127
1890-14MGT3	1890	135
2100-14MGT3	2100	150
2310-14MGT3	2310	165
2450-14MGT3	2450	175
2590-14MGT3	2590	185
2800-14MGT3	2800	200
3150-14MGT3	3150	225
3360-14MGT3	3360	240
3500-14MGT3	3500	250
3850-14MGT3	3850	275
4326-14MGT3	4326	309
4578-14MGT3	4578	327
4956-14MGT3	4956	354
5320-14MGT3	5320	380
5740-14MGT3	5740	410
6160-14MGT3	6160	440
6860-14MGT3	6860	490

LARGHEZZE STANDARD in mm

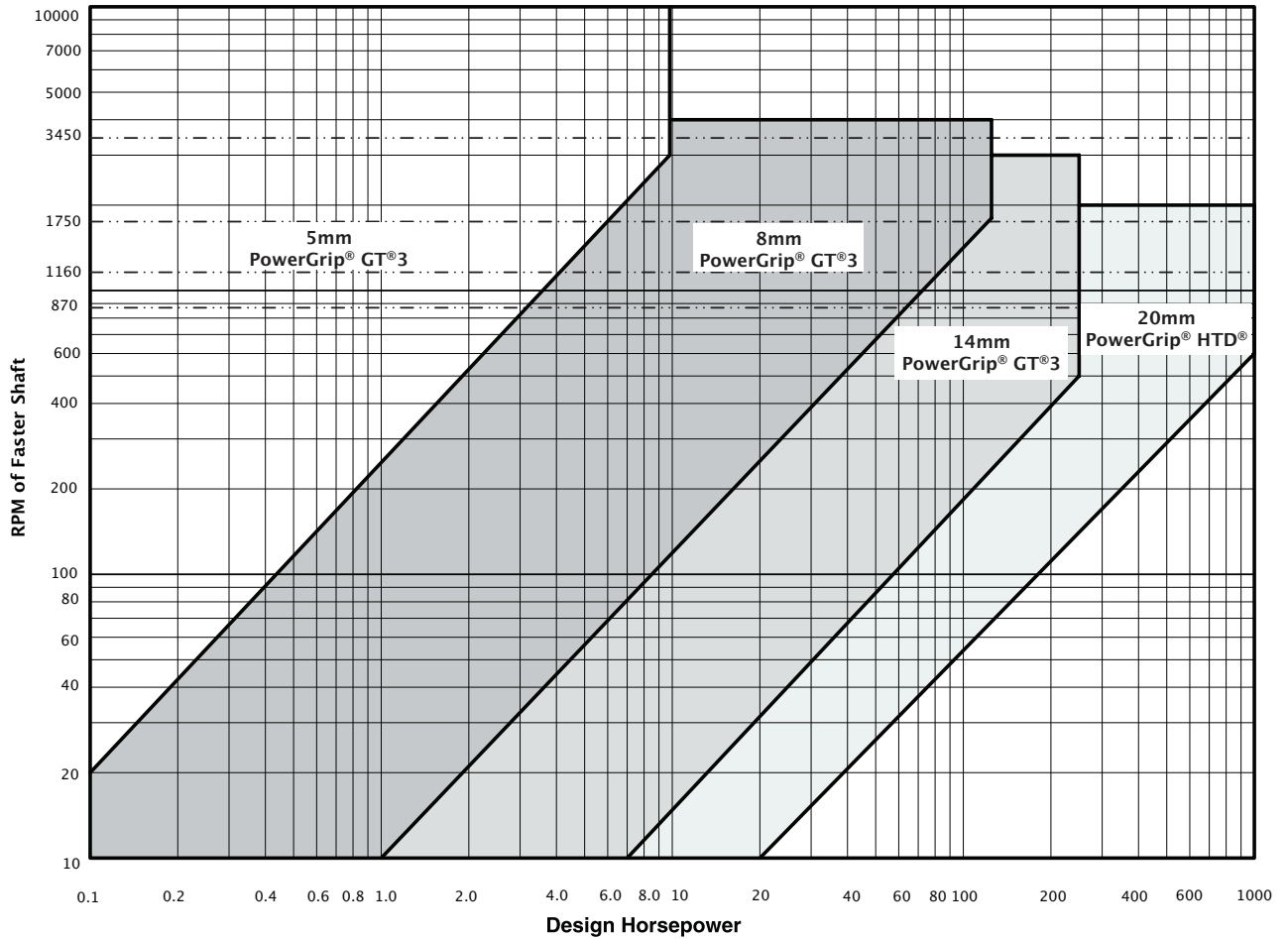
40 - 55 - 85 - 115 - 170

**Il codice PowerGrip® GT3
è composto come segue:
384-8MGT3-20**

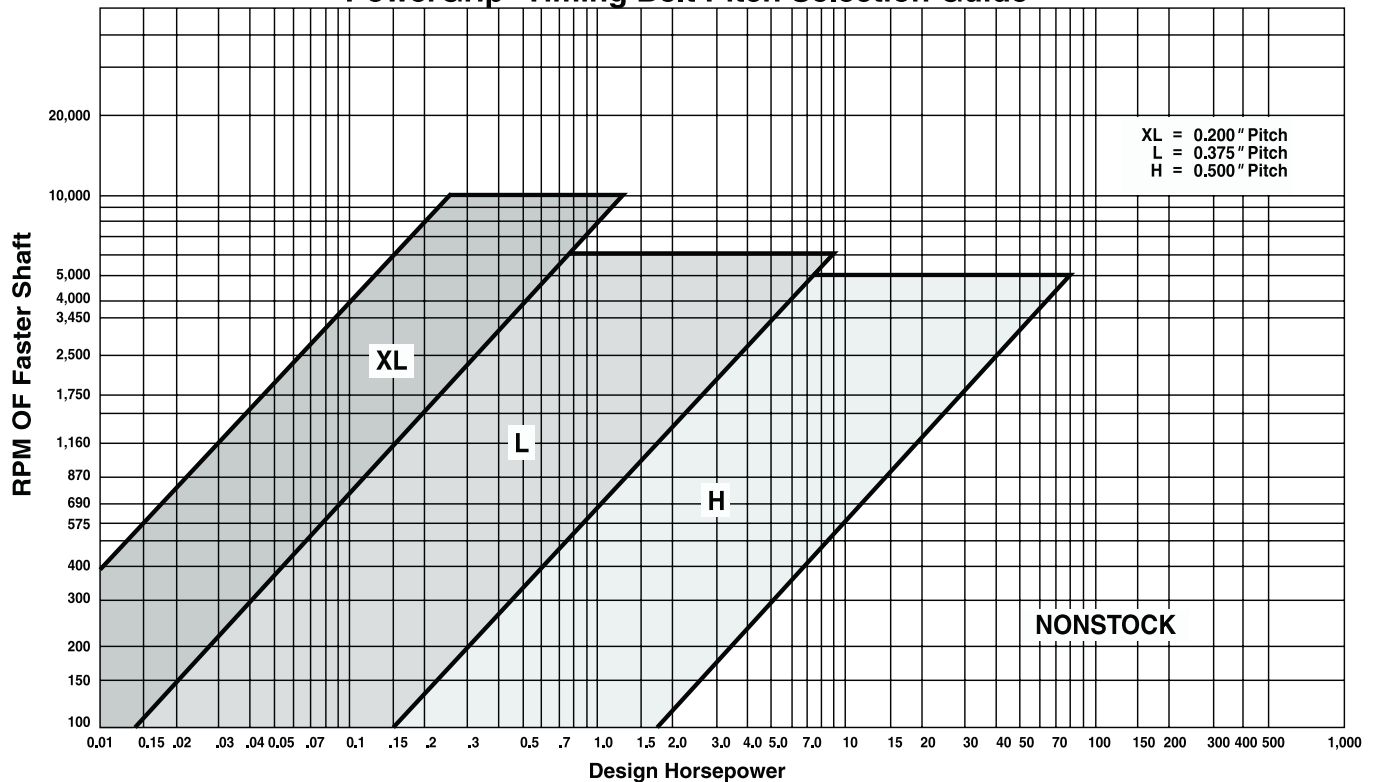
384 Lunghezza primitiva (mm)
8MGT3 Passo 8 mm
20 Larghezza cinghia (mm)



PowerGrip® GT[®]3 / 20mm HTD[®] Belt Pitch Selection Guide



PowerGrip® Timing Belt Pitch Selection Guide



14M PowerGrip® GT®3 Power Rating Table — 40mm Belt Width

RPM of Faster Shaft	Base Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)																			
	28	29	30	31	32	33	34	35	36	37	38	39	40	42	44	46	48	50	52	56
	4.912	5.088	5.263	5.439	5.614	5.790	5.965	6.141	6.316	6.492	6.667	6.842	7.018	7.369	7.720	8.071	8.421	8.772	9.123	9.825
	10	20	30	40	60	100	200	300	400	500	600	800	870	1000	1160	1200	1400	1600	1750	1800
	0.61	0.64	0.66	0.69	0.71	0.74	0.76	0.79	0.82	0.84	0.87	0.89	0.92	0.97	1.02	1.07	1.12	1.16	1.21	1.31
	1.15	1.20	1.25	1.29	1.34	1.39	1.44	1.49	1.54	1.58	1.63	1.68	1.73	1.82	1.92	2.01	2.10	2.20	2.29	2.48
	2.15	2.24	2.33	2.43	2.52	2.61	2.70	2.79	2.88	2.97	3.06	3.15	3.24	3.42	3.60	3.78	3.96	4.13	4.31	4.66
	3.10	3.23	3.36	3.50	3.63	3.76	3.89	4.03	4.16	4.29	4.42	4.55	4.68	4.94	5.20	5.46	5.71	5.97	6.22	6.73
	4.89	5.10	5.31	5.53	5.74	5.95	6.16	6.37	6.58	6.79	7.00	7.21	7.41	7.83	8.24	8.65	9.06	9.46	9.87	10.7
	9.04	9.44	9.84	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.0	13.4	13.8	14.5	15.3	16.1	16.9	17.6	18.4	19.9
	12.9	13.5	14.1	14.6	15.2	15.8	16.4	16.9	17.5	18.0	18.6	19.2	19.7	20.8	22.0	23.1	24.2	25.3	26.3	28.5
	16.6	17.3	18.1	18.8	19.6	20.3	21.1	21.8	22.5	23.3	24.0	24.7	25.4	26.9	28.3	29.7	31.2	32.6	34.0	36.8
	20.1	21.1	22.0	22.9	23.8	24.7	25.6	26.5	27.4	28.3	29.2	30.0	30.9	32.7	34.4	36.2	37.9	39.6	41.3	44.7
	23.6	24.7	25.7	26.8	27.9	28.9	30.0	31.0	32.1	33.1	34.2	35.2	36.3	38.3	40.4	42.4	44.4	46.5	48.5	52.5
	30.2	31.6	33.0	34.4	35.7	37.1	38.5	39.8	41.2	42.5	43.9	45.2	46.5	49.2	51.8	54.4	57.0	59.6	62.2	67.3
	32.5	33.9	35.4	36.9	38.4	39.9	41.3	42.8	44.2	45.7	47.1	48.6	50.0	52.9	55.7	58.5	61.3	64.1	66.9	72.3
	36.5	38.2	39.9	41.6	43.3	44.9	46.6	48.2	49.9	51.5	53.1	54.7	56.4	59.6	62.8	65.9	69.1	72.2	75.3	81.5
	41.4	43.4	45.3	47.2	49.1	51.0	52.8	54.7	56.6	58.4	60.3	62.1	64.0	67.6	71.2	74.8	78.4	81.9	85.4	92.4
	42.6	44.6	46.6	48.5	50.5	52.4	54.4	56.3	58.2	60.1	62.0	63.9	65.8	69.6	73.3	77.0	80.6	84.3	87.9	95.9
	48.5	50.8	53.0	55.3	57.5	59.7	61.9	64.1	66.3	68.5	70.6	72.8	74.9	79.2	83.4	87.6	91.7	95.8	99.9	107.9
	54.2	56.7	59.3	61.8	64.3	66.7	69.2	71.6	74.1	76.5	78.9	81.3	83.7	88.5	93.1	97.8	102.4	106.9	111.4	120.3
	58.4	61.1	63.8	66.5	69.2	71.9	74.5	77.1	79.8	82.4	85.0	87.5	90.1	95.2	100.2	105.2	110.1	115.0	119.8	129.2
	59.7	62.5	65.3	68.1	70.8	73.5	76.2	78.9	81.6	84.3	86.9	89.6	92.2	97.4	102.5	107.6	112.6	117.6	122.5	132.1
	65.1	68.1	71.2	74.2	77.2	80.1	83.1	86.0	88.9	91.8	94.7	97.5	100.4	106.0	111.5	117.0	122.4	127.7	133.0	143.2
	75.3	78.9	82.4	85.8	89.3	92.7	96.1	99.4	102.8	106.1	109.4	112.6	115.9	122.2	128.5	134.7	140.7	146.6	152.5	163.7
	85.0	89.0	92.9	96.8	100.6	104.5	108.2	112.0	115.7	119.3	123.0	126.6	130.1	137.1	144.0	150.7	157.2	163.5		
	94.1	98.4	102.7	107.0	111.2	115.4	119.5	123.6	127.6	131.6	135.5	139.3	143.2	150.6	157.9					
	102.6	107.3	111.9	116.5	121.0	125.5	129.9	134.2	138.5	142.7	146.8	150.9								
	110.5	115.5	120.4	125.3	130.0	134.7	139.3	143.9												

14M PowerGrip® GT®3 Power Rating Table — 55mm Belt Width

RPM of Faster Shaft	Base Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)																			
	28	29	30	31	32	33	34	35	36	37	38	39	40	42	44	46	48	50	52	56
	4.912	5.088	5.263	5.439	5.614	5.790	5.965	6.141	6.316	6.492	6.667	6.842	7.018	7.369	7.720	8.071	8.421	8.772	9.123	9.825
	10	20	30	40	60	100	200	300	400	500	600	800	870	1000	1160	1200	1400	1600	1750	1800
	0.92	0.96	0.99	1.03	1.07	1.11	1.15	1.19	1.22	1.26	1.30	1.34	1.37	1.45	1.52	1.60	1.67	1.75	1.82	1.97
	1.72	1.80	1.87	1.94	2.01	2.09	2.16	2.23	2.30	2.38	2.45	2.52	2.59	2.73	2.87	3.02	3.16	3.30	3.44	3.72
	3.22	3.36	3.50	3.64	3.78	3.91	4.05	4.19	4.32	4.46	4.60	4.73	4.87	5.13	5.40	5.67	5.94	6.20	6.46	6.99
	4.64	4.84	5.04	5.24	5.44	5.64	5.84	6.04	6.24	6.43	6.63	6.83	7.02	7.41	7.80	8.19	8.57	8.95	9.34	10.1
	7.33	7.65	7.97	8.29	8.61	8.92	9.24	9.56	9.87	10.2	10.5	10.8	11.1	11.7	12.4	13.0	13.6	14.2	14.8	16.0
	13.6	14.2	14.8	15.4	16.0	16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.8	23.0	24.1	25.3	26.4	27.6	29.8
	19.4	20.2	21.1	22.0	22.8	23.7	24.5	25.4	26.2	27.1	27.9	28.8	29.6	31.3	32.9	34.6	36.2	37.9	39.5	42.8
	24.9	26.0	27.1	28.3	29.4	30.5	31.6	32.7	33.8	34.9	36.0	37.1	38.1	40.3	42.5	44.6	46.7	48.8	51.0	55.1
	30.2	31.6	33.0	34.3	35.7	37.0	38.4	39.7	41.1	42.4	43.7	45.1	46.4	49.0	51.6	54.3	56.8	59.4	62.0	67.1
	35.4	37.0	38.6	40.2	41.8	43.4	45.0	46.6	48.1	49.7	51.3	52.8	54.4	57.5	60.6	63.6	66.7	69.7	72.7	78.7
	45.3	47.4	49.5	51.5	53.6	55.6	57.7	59.7	61.8	63.8	65.8	67.8	69.8	73.8	77.7	81.7	85.6	89.5	93.3	101.0
	48.7	50.9	53.2	55.4	57.6	59.8	62.0	64.2	66.4	68.5	70.7	72.9	75.0	79.3	83.6	87.8	92.0	96.2	100.3	108.5
	54.8	57.3	59.9	62.4	64.9	67.4	69.9	72.3	74.8	77.2	79.7	82.1	84.5	89.4	94.2	98.9	103.6	108.3	113.0	122.2
	62.1	65.0	67.9	70.8	73.6	76.4	79.3	82.1	84.9	87.6	90.4	93.2	95.9	101.4	106.8	112.2	117.6	122.9	128.1	138.5
	63.9	66.9	69.9	72.8	75.7	78.7	81.6	84.4	87.3	90.2	93.0	95.9	98.7	104.3	109.9	115.5	121.0	126.4	131.8	142.5
	72.8	76.2	79.5	82.9	86.2	89.6	92.9	96.2	99.4	102.7	105.9	109.2	112.4	118.8	125.1	131.4	137.6	143.8	149.9	161.9
	81.3	85.1	88.9	92.6	96.4	100.1	103.8	107.5	111.1	114.8	118.4	122.0	125.6	132.7	139.7	146.7	153.6	160.4	167.2	180.5
	87.5	91.6	95.7	99.8	103.8	107.8	111.8	115.7	119.6	123.6	127.4	131.3	135.2	142.8	150.3	157.8	165.2	172.4	179.6	193.8
	89.6	93.8	97.9	102.1	106.2	110.3	114.4	118.4	122.4	126.4	130.4	134.4	138.3	146.1	153.8	161.4	168.9	176.4	183.7	198.1
	97.6	102.2	106.7	111.3	115.7	120.2	124.6	129.0	133.4	137.7	142.0	146.3	150.6	159.0	167.3	175.5	183.6	191.6	199.5	214.9
	113.0	118.3	123.5	128.8	133.9	139.0	144.1	149.2	154.2	159.1	164.1	168.9	173.8	183.4	192.8	202.0	211.1	220.0	228.7	245.6
	127.5	133.4	139.3	145.2	151.0	156.7	162.3	168.0	173.5	179.0	184.5	189.9	195.2	205.7	216.0	226.0	235.8	245.3		
	141.1	147.7	154.1	160.5	166.8	173.1	179.3	185.4	191.4	197.3	203.2	209.0	214.7	225.9	236.8					
	153.9	160.9	167.9	174.8	181.6	188.2	194.8	201.3	207.7	214.0	220.2	226.3								
	165.7	173.2	180.6	187.9	195.1	202.1	209.0	215.8												

+ Drives within this speed range may generate an objectionable noise level. This can be reduced by using commercially available acoustical damping material in the belt guard. Contact Gates for recommendations on any drive to be installed in a noise sensitive area.

Corrected Horsepower Rating = [Base Rating] x [Belt Length Correction Factor]

14MGT Belt Length Correction Factor

Pitch/Length Designation	No. of Teeth	Correction Factor	Pitch/Length Designation	No. of Teeth	Correction Factor
966-14MGT	69	0.80	3150-14MGT	225	1.05
1190-14MGT	85	0.80	3360-14MGT	240	1.10
1400-14MGT	100	0.90	3500-14MGT	250	1.10
1610-14MGT	115	0.90	3850-14MGT	275	1.10
1778-14MGT	127	0.95	4326-14MGT	309	1.10
1890-14MGT	135	0.95	4578-14MGT	327	1.10
2100-14MGT	150	1.00	4956-14MGT	354	1.10
2310-14MGT	165	1.00	5320-14MGT	380	1.10
2450-14MGT	175	1.00	5740-14MGT	410	1.10
2590-14MGT	185	1.05	6160-14MGT	440	1.10
2800-14MGT	200	1.05	6860-14MGT	490	1.10

14M PowerGrip® GT®3 Power Rating Table — 85mm Belt Width

RPM of Faster Shaft	Base Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)																								
	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	42 7.369	44 7.720	46 8.071	48 8.421	50 8.772	52 9.123	56 9.825	60 10.527	64 11.229	68 11.930	72 12.632	80 14.036
10	1.53	1.59	1.66	1.72	1.78	1.85	1.91	1.98	2.04	2.10	2.16	2.23	2.29	2.42	2.54	2.66	2.79	2.91	3.04	3.28	3.53	3.77	4.01	4.25	4.73
20	2.87	2.99	3.12	3.24	3.36	3.48	3.60	3.72	3.84	3.96	4.08	4.20	4.32	4.56	4.79	5.03	5.26	5.50	5.73	6.19	6.66	7.11	7.57	8.03	8.93
40	5.37	5.61	5.84	6.07	6.30	6.52	6.75	6.98	7.21	7.43	7.66	7.88	8.11	8.56	9.00	9.45	9.89	10.3	10.8	11.7	12.5	13.4	14.2	15.1	16.8
60	7.74	8.07	8.41	8.74	9.07	9.40	9.74	10.1	10.4	10.7	11.0	11.4	11.7	12.4	13.0	13.6	14.3	14.9	15.6	16.8	18.1	19.3	20.6	21.8	24.3
100	12.2	12.8	13.3	13.8	14.3	14.9	15.4	15.9	16.5	17.0	17.5	18.0	18.5	19.6	20.6	21.6	22.6	23.7	24.7	26.7	28.7	30.7	32.7	34.6	38.5
200	22.6	23.6	24.6	25.6	26.6	27.6	28.6	29.5	30.5	31.5	32.5	33.5	34.4	36.4	38.3	40.2	42.1	44.0	45.9	49.7	53.4	57.1	60.8	64.5	71.8
300	32.3	33.7	35.2	36.6	38.0	39.5	40.9	42.3	43.7	45.1	46.5	47.9	49.3	52.1	54.9	57.7	60.4	63.1	65.9	71.3	76.6	82.0	87.5	92.5	102.9
400	41.5	43.4	45.2	47.1	48.9	50.8	52.6	54.5	56.3	58.1	59.9	61.8	63.6	67.2	70.8	74.3	77.9	81.4	84.9	91.9	98.8	105.7	112.5	119.3	132.7
500	50.4	52.7	54.9	57.2	59.5	61.7	64.0	66.2	68.4	70.7	72.9	75.1	77.3	81.7	86.1	90.4	94.7	99.0	103.3	111.8	120.3	128.6	136.9	145.1	161.4
600	59.0	61.7	64.3	67.0	69.7	72.3	75.0	77.6	80.2	82.8	85.5	88.1	90.6	95.8	100.9	106.0	111.1	116.2	121.2	131.2	141.0	150.8	160.5	170.1	189.1
800	75.5	79.0	82.5	85.9	89.3	92.7	96.1	99.5	102.9	106.3	109.6	113.0	116.3	123.0	129.6	136.1	142.6	149.1	155.5	168.3	180.9	193.4	205.8	218.0	242.1
870	81.1	84.9	88.6	92.3	96.0	99.7	103.3	107.0	110.6	114.2	117.9	121.5	125.0	132.2	139.3	146.3	153.3	160.3	167.2	180.9	194.4	207.8	221.0	234.1	259.9
1000	91.3	95.6	99.8	104.0	108.1	112.3	116.4	120.5	124.6	128.7	132.8	136.9	140.9	148.9	156.9	164.9	172.7	180.5	188.3	203.7	218.9	233.9	248.7	263.3	291.9
1160	103.6	108.4	113.2	117.9	122.7	127.4	132.1	136.8	141.4	146.1	150.7	155.3	159.9	169.0	178.0	187.0	195.9	204.8	213.5	230.9	248.0	264.8	281.4	297.8	329.7
1200	106.6	111.5	116.4	121.4	126.2	131.1	135.9	140.7	145.5	150.3	155.1	159.8	164.5	173.9	183.2	192.4	201.6	210.7	219.7	237.5	255.1	272.4	289.4	306.1	338.8
1400	121.3	126.9	132.6	138.1	143.7	149.3	154.8	160.3	165.7	171.1	176.6	181.9	187.3	198.0	208.5	219.0	229.3	239.6	249.8	269.9	289.6	309.0	327.9	346.6	382.7
+1600	135.5	141.8	148.1	154.4	160.6	166.8	173.0	179.1	185.2	191.3	197.3	203.3	209.3	221.1	232.9	244.5	256.0	267.3	278.6	300.8	322.4	343.6	364.3	384.5	423.4
+1750	145.9	152.7	159.5	166.3	173.0	179.6	186.3	192.9	199.4	205.9	212.4	218.9	225.3	238.0	250.5	263.0	275.3	287.4	299.4	323.0	346.0	368.4	390.2	411.4	451.9
+1800	149.3	156.3	163.2	170.2	177.0	183.8	190.6	197.4	204.1	210.7	217.4	223.9	230.5	243.5	256.3	269.0	281.5	293.9	306.2	330.2	353.6	376.4	398.5	420.0	
+2000	162.7	170.3	177.9	185.4	192.9	200.3	207.7	215.0	222.3	229.5	236.7	243.9	251.0	265.0	278.9	292.6	306.0	319.3	332.5	358.1	383.0	407.1	430.3		
+2400	188.4	197.2	205.9	214.6	223.2	231.7	240.2	248.6	257.0	265.2	273.4	281.6	289.7	305.6	321.3	336.7	351.8	366.6	381.1	409.3					
+2800	212.5	222.4	232.2	242.0	251.6	261.1	270.6	279.9	289.2	298.4	307.5	316.4	325.3	342.8	359.9	376.6	392.9	408.8							
+3200	235.2	246.1	256.9	267.5	278.1	288.5	298.8	308.9	319.0	328.9	338.7	348.4	357.9	376.6	394.7										
+3600	256.4	268.2	279.8	291.3	302.6	313.7	324.7	335.6	346.2	356.7	367.0														
+4000	276.2	288.7	301.0	313.2	325.1	336.8	348.4	359.7																	

14M PowerGrip® GT®3 Power Rating Table — 115mm Belt Width

RPM of Faster Shaft	Base Rated Horsepower for Small Sprocket (Number of Grooves and Pitch Diameter, Inches)																								
	28 4.912	29 5.088	30 5.263	31 5.439	32 5.614	33 5.790	34 5.965	35 6.141	36 6.316	37 6.492	38 6.667	39 6.842	40 7.018	42 7.369	44 7.720	46 8.071	48 8.421	50 8.772	52 9.123	56 9.825	60 10.527	64 11.229	68 11.930	72 12.632	80 14.036
10	2.14	2.23	2.32	2.41	2.50	2.59	2.68	2.77	2.85	2.94	3.03	3.12	3.21	3.38	3.56	3.73	3.90	4.08	4.25	4.59	4.94	5.27	5.61	5.95	6.62
20	4.02	4.19	4.36	4.53	4.70	4.87	5.04	5.21	5.38	5.54	5.71	5.88	6.04	6.38	6.71	7.04	7.37	7.69	8.02	8.67	9.32	9.96	10.6	11.2	12.5
40	7.52	7.85	8.17	8.49	8.81	9.13	9.45	9.77	10.1	10.4	10.7	11.0	11.4	12.0	12.6	13.2	13.9	14.5	15.1	16.3	17.5	18.7	19.9	21.1	23.5
60	10.8	11.3	11.8	12.2	12.7	13.2	13.6	14.1	14.6	15.0	15.5	15.9	16.4	17.3	18.2	19.1	20.0	20.9	21.8	23.6	25.3	27.1	28.8	30.6	34.0
100	17.1	17.9	18.6	19.3	20.1	20.8	21.6	22.3	23.0	23.8	24.5	25.2	25.9	27.4	28.8	30.3	31.7	33.1	34.5	37.4	40.2	43.0	45.7	48.5	53.9
200	31.6	33.0	34.4	35.8	37.2	38.6	40.0	41.4	42.7	44.1	45.5	46.8	48.2	50.9	53.6	56.3	59.0	61.6	64.3	69.6	74.8	80.0	85.2	90.3	100.5
300	45.2	47.2	49.2	51.2	53.2	55.2	57.2	59.2	61.2	63.2	65.1	67.1	69.1	73.0	76.8	80.7	84.6	88.4	92.2	99.8	107.3	114.8	122.2	129.5	144.1
400	58.1	60.7	63.3	65.9	68.5	71.1	73.7	76.3	78.8	81.4	83.9	86.5	89.0	94.0	99.1	104.1	109.0	114.0	118.9	128.7	138.4	148.0	157.6	167.0	185.8
500	70.5	73.7	76.9	80.1	83.3	86.4	89.6	92.7	95.8	98.9	102.0	105.1	108.2	114.4	120.5	126.6	132.6	138.7	144.7	156.6	168.4	180.1	191.7	203.2	225.9
600	82.6	86.3	90.1	93.8	97.6	101.3	105.0	108.6	112.3	116.0	119.6	123.3	126.9	134.1	141.3	148.5	155.6	162.6	169.7	183.6	197.4	211.1	224.7	238.2	264.8
800	105.7	110.6	115.4	120.3	125.1	129.8	134.6	139.4	144.1	148.8	153.5	158.2	162.9	172.1	181.4	190.6	199.7	208.7	217.7	235.6	253.3	270.8	288.1	305.2	338.9
870	113.6	118.8	124.0	129.2	134.4	139.5	144.7	149.8	154.9	159.9	165.0	170.0	175.1	185.1	195.0	204.8	214.6	224.4	234.0	253.2	272.2	290.9	309.5	327.8	363.8
1000	127.9	133.8	139.7	145.5	151.4	157.2	163.0	168.8	174.5	180.2	185.9	191.6	197.3	208.5	219.7	230.8	241.8	252.8	263.6	285.2	306.4	327.4	348.1	368.6	408.7
1160	145.0	151.7	158.4	165.1	171.7	178.3	184.9	191.5	198.0	204.5	211.0	217.4	223.8	236.6	249.3	261.8	274.3	286.7	298.9	323.2	347.2	370.7	394.0	416.9	461.6
1200	149.2	156.1	163.0	169.9	176.7	183.5	190.3	197.0	203.8	210.4	217.1	223.7	230.3	243.5	256.5	269.4	282.2	295.0	307.6	332.5	357.1	381.3	405.1	428.6	474.4
+1400	169.8	177.7	185.6	193.4	201.2	209.0	216.7	224.4	232.0	239.6	247.2	254.7	262.2	277.1	291.9	306.6	321.1	335.4	349.7	377.8	405.4	432.5	459.1	485.2	535.8
+1600	189.7	198.6	207.4	216.2	224.9	233.5	242.2	250.8	259.3	267.8	276.2	284.6	293.0	309.6	326.0	342.3	358.4	374.3	390.0	421.1	451.4	481.1	510.1	538.4	592.8
+1750	204.3	213.8	223.3	232.8	242.2	251.5	260.8	270.0	279.2	288.3	297.4	306.4	315.4	333.2	350.8	368.2	385.4	402.4	419.2	452.1	484.3	515.7	546.2	575.9	632.6
+1800	209.1	218.8	228.5	238.2	247.8	257.4	266.9	276.3	285.7	295.0	304.3	313.5	322.7	340.9	358.9	376.6	394.2	411.5	428.6	462.3	495.0	526.9	557.9	588.0	
+2000	227.8	238.5	249.1	259.6	270.1	280.4	290.8	301.0	311.2	321.3	331.4	341.4	351.3	371.0	390.4	409.6	428.5	447.1	465.4	501.4	536.2	569.9	602.4		
+2400	263.7	276.0	288.3	300.4	312.5	324.4	336.3	348.1	359.7	371.3	382.8	394.2	405.5	427.8	449.8	471.3	492.5	513.2	533.6	573.1					
+2800	297.5	311.4	325.1	338.3	352.2	365.6	378.8	391.9	404.9	417.7	430.4	443.0	455.5	480.0	503.9	527.3	550.1	572.4							
+3200	329.3	344.5	359.6	374.5	389.3	403.9	418.3	432.5	446.6	460.5	474.2	487.7	501.0	527.2	552.6										
+3600	359.0	375.5	391.7	407.8	423.6	439.2	454.6	469.8	484.7	499.4	513.8	528.1													
+4000	386.6	404.2	421.4	438.4	455.1	471.6	487.7	503.5																	