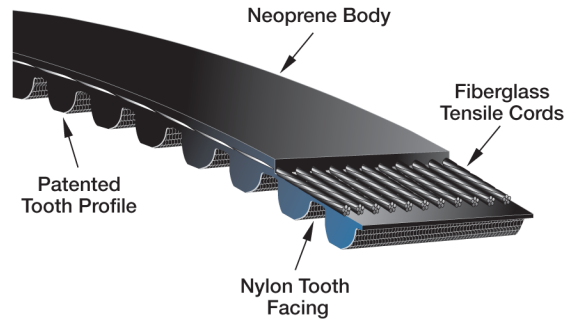


PowerGrip® GT³ Belts - 8M and 14M

Reduce both acquisition costs and transaction costs by designing with PowerGrip GT3. The PowerGrip GT3 belt has two times the rating of competitive RPP® belts, and its predecessors PowerGrip GT and HTD® belts. PowerGrip GT3 drive systems offer the largest selection of belts and sprockets in the industry. At reduced widths, PowerGrip GT3 belts can be used as a direct replacement for most 8mm and 14mm pitch standard rubber RPP and HTD synchronous belts.



Markets/Applications

PowerGrip GT3 belts are suitable for many applications such as HVAC, textile, printing, machine tools, food processing, conveyors, packaging, agriculture, pumps, compressors, centrifuges, laundry, pulp and paper.

Features/Advantages

- **Fiberglass tensile cord** provides high strength, excellent flex life, and high resistance to elongation.
- **Neoprene body** provides protection against grime, grease, oil, and moisture.
- **Nylon tooth facing** provides a durable wear surface for long service life.
- Gates **patented tooth profile** is designed for use with a specific sprocket groove profile. The sprocket groove-belt tooth combination increases capacity, while improving registration.
- PowerGrip GT3 has more tooth ratchet resistance than HTD.
- Eliminates lubrication and re-tensioning reduce maintenance and labor as compared to roller chain drives.
- PowerGrip GT3 ACHE belts are available in 14mm pitch. A single twist cord helps prevent the belt from moving downward on vertical shaft ACHE applications.

Recommended Sprockets

PowerGrip® GT² Sprockets

Notes

8M and 14M PowerGrip GT3 belts are conductive in accordance with ISO 9563. When belt drive systems are located in potentially hazardous environments, safe and reliable dissipation of electrostatic charges is critical - a secondary means of dissipation such as static grounding brushes is recommended.

PowerGrip GT3 part numbers are comprised of pitch, pitch length and width. For example; part number 3150-14MGT-55 denotes a 3150mm pitch length, 14mm pitch and 55mm width.

Belt **pitch** is the distance in millimeters between two adjacent tooth centers as measured on the pitch line of the belt. Belt **pitch length** is the total length (circumference) in millimeters as measured along the pitch line. The theoretical pitch line of a PowerGrip GT3 belt lies within the tensile member.

WARNING: New drive designs must use the PowerGrip GT2 sprockets, because of the high torque capacity of PowerGrip GT3 belts. Do not use HTD or RPP profiled sprockets in new designs. PowerGrip GT3 belts can be used on existing HTD or HT100® sprockets as replacement belts, usually at the next narrowest width.

Product No. Series 9356

8mm Pitch — 12mm Wide

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)	Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
384-8MGT-12	9356-1200	48	15.12	.05	1200-8MGT-12	9356-1216	150	47.24	.16
480-8MGT-12	9356-1201	60	18.90	.06	1224-8MGT-12	9356-1217	153	48.19	.16
560-8MGT-12	9356-1202	70	22.05	.07	1280-8MGT-12	9356-1218	160	50.39	.17
600-8MGT-12	9356-1203	75	23.62	.08	1440-8MGT-12	9356-1219	180	56.69	.18
640-8MGT-12	9356-1204	80	25.20	.09	1512-8MGT-12	9356-1220	189	59.53	.20
720-8MGT-12	9356-1205	90	28.35	.09	1584-8MGT-12	9356-1221	198	62.36	.20
800-8MGT-12	9356-1206	100	31.50	.11	1600-8MGT-12	9356-1222	200	62.99	.21
840-8MGT-12	9356-1207	105	33.07	.11	1760-8MGT-12	9356-1223	220	69.29	.23
880-8MGT-12	9356-1208	110	34.65	.12	1800-8MGT-12	9356-1224	225	70.87	.24
920-8MGT-12	9356-1209	115	36.22	.12	2000-8MGT-12	9356-1225	250	78.74	.26
960-8MGT-12	9356-1210	120	37.80	.13	2200-8MGT-12	9356-1226	275	86.61	.28
1040-8MGT-12	9356-1211	130	40.94	.14	2400-8MGT-12	9356-1227	300	94.49	.30
1064-8MGT-12	9356-1212	133	41.89	.14	2600-8MGT-12	9356-1228	325	102.36	.33
1104-8MGT-12	9356-1213	138	43.46	.15	2800-8MGT-12	9356-1229	350	110.24	.36
1120-8MGT-12	9356-1214	140	44.09	.15	3280-8MGT-12	9356-1230	410	129.13	.41
1160-8MGT-12	9356-1215	145	45.67	.15					

PowerGrip® GT®3 Belts - 8M and 14M

Product No. Series 9356 (continued)

8mm Pitch — 50mm Wide (continued)

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
2000-8MGT-50	9356-0067	250	78.74	1.23
2200-8MGT-50	9356-1035	275	86.61	1.35
2400-8MGT-50	9356-0071	300	94.49	1.50
2600-8MGT-50	9356-0079	325	102.36	1.60
2800-8MGT-50	9356-0075	350	110.24	1.70

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
3048-8MGT-50	9356-0083	381	120.00	1.90
3280-8MGT-50	9356-0087	410	129.13	2.00
3600-8MGT-50	9356-0091	450	141.73	2.35
4400-8MGT-50	9356-0095	550	173.23	2.75

8mm Pitch — 85mm Wide

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
384-8MGT-85	9356-1024	48	15.12	.40
480-8MGT-85	9356-9004	60	18.90	.50
560-8MGT-85	9356-9008	70	22.05	.55
576-8MGT-85	9356-1044	72	22.67	2.04
600-8MGT-85	9356-0012	75	23.62	.65
640-8MGT-85	9356-0016	80	25.20	.70
720-8MGT-85	9356-0020	90	28.35	.75
800-8MGT-85	9356-0024	100	31.50	.85
840-8MGT-85	9356-1028	105	33.07	.90
880-8MGT-85	9356-0028	110	34.65	.95
920-8MGT-85	9356-1004	115	36.22	1.00
960-8MGT-85	9356-0032	120	37.80	.95
1040-8MGT-85	9356-0036	130	40.94	1.10
1064-8MGT-85	9356-1008	133	41.89	1.05
1104-8MGT-85	9356-1040	138	43.46	1.30
1120-8MGT-85	9356-0040	140	44.09	1.20
1160-8MGT-85	9356-1012	146	45.83	1.20
1200-8MGT-85	9356-0044	150	47.24	1.25

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
1224-8MGT-85	9356-1032	153	48.19	1.30
1280-8MGT-85	9356-0048	160	50.39	1.32
1440-8MGT-85	9356-0052	180	56.69	1.55
1512-8MGT-85	9356-1016	189	59.53	1.60
1584-8MGT-85	9356-1020	198	62.36	1.65
1600-8MGT-85	9356-0056	200	62.99	1.75
1760-8MGT-85	9356-0060	220	69.29	1.90
1800-8MGT-85	9356-0064	225	70.87	1.95
2000-8MGT-85	9356-0068	250	78.74	2.10
2200-8MGT-85	9356-1036	275	86.61	2.30
2400-8MGT-85	9356-0072	300	94.49	2.50
2600-8MGT-85	9356-0080	325	102.36	2.80
2800-8MGT-85	9356-0076	350	110.24	3.00
3048-8MGT-85	9356-0084	381	120.00	3.35
3280-8MGT-85	9356-0088	410	129.13	3.65
3600-8MGT-85	9356-0092	450	141.73	3.90
4400-8MGT-85	9356-0096	550	173.23	4.80

14mm Pitch — 40mm Wide

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
966-14MGT-40	9356-0100	69	38.03	.17
1190-14MGT-40	9356-0105	85	46.85	1.50
1400-14MGT-40	9356-0110	100	55.12	1.65
1610-14MGT-40	9356-0115	115	63.39	.28
1778-14MGT-40	9356-0120	127	70.00	1.95
1890-14MGT-40	9356-0125	135	74.41	2.05
2100-14MGT-40	9356-0130	150	82.68	2.35
2310-14MGT-40	9356-0135	165	90.94	.40
2450-14MGT-40	9356-0140	175	96.46	2.55
2590-14MGT-40	9356-0145	185	101.97	.45
2800-14MGT-40	9356-0150	200	110.24	2.80

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
3150-14MGT-40	9356-0155	225	124.02	3.10
3360-14MGT-40	9356-0180	240	132.28	2.73
3500-14MGT-40	9356-0160	250	137.80	3.50
3850-14MGT-40	9356-0165	275	151.57	3.80
4326-14MGT-40	9356-0170	309	170.31	3.52
4578-14MGT-40	9356-0175	327	180.24	3.79
4956-14MGT-40	9356-0185	354	195.12	5.20
5320-14MGT-40	9356-0190	380	209.45	4.40
5740-14MGT-40	9356-0195	410	225.98	4.70
6160-14MGT-40	9356-0200	440	242.52	5.00
6860-14MGT-40	9356-0205	490	270.08	5.60

14mm Pitch — 55mm Wide

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
966-14MGT-55	9356-0101	69	38.03	1.60
1190-14MGT-55	9356-0106	85	46.85	1.90
1400-14MGT-55	9356-0111	100	55.12	2.10
1610-14MGT-55	9356-0116	115	63.39	.38
1778-14MGT-55	9356-0121	127	70.00	2.55
1890-14MGT-55	9356-0126	135	74.41	2.70
2100-14MGT-55	9356-0131	150	82.68	2.95
2310-14MGT-55	9356-0136	165	90.94	.55
2450-14MGT-55	9356-0141	175	96.46	.58
2590-14MGT-55	9356-0146	185	101.97	.61

Part No.	Product No.	Number of Teeth	Pitch Length (in)	Weight (Lbs.)
2800-14MGT-55	9356-0151	200	110.24	3.70
3150-14MGT-55	9356-0156	225	124.02	4.10
3360-14MGT-55	9356-0181	240	132.28	3.72
3500-14MGT-55	9356-0161	250	137.80	4.60
3850-14MGT-55	9356-0166	275	151.57	5.00
4326-14MGT-55	9356-0171	309	170.31	6.30
4578-14MGT-55	9356-0176	327	180.24	5.40
4956-14MGT-55	9356-0186	354	195.12	5.53
5320-14MGT-55	9356-0191	380	209.45	5.95
5740-14MGT-55	9356-0196	410	225.98	8.15

POWERGRIP GT3 BELTS