

POWERGRIP® GT3

Expands the limits of your power transmission solutions



The Driving Force in Power Transmission®



POWERGRIP® GT3

Today's industries require high quality products. Gates stands for an innovative and top performing product range that can be used for a wide range of applications. Gates latest development in synchronous rubber belts is PowerGrip® GT3.

The PowerGrip GT3 product range is a major leap in synchronous rubber belt technology. It is available in five pitches, small 2MGT, 3MGT and 5MGT as well as large 8MGT and 14MGT pitches and covers the widest range of industrial applications.

Outperforms all other synchronous rubber belts!

The PowerGrip GT3 synchronous belt transmits up to 30% more power than previous generation belts. This entire belt range is designed to run on existing drives and does not require any adaptation of the system.

The small 2MGT, 3MGT, and 5MGT pitches are ideal for compact drives on hand tools, business machines, domestic appliances, high precision servomotor drives and multiaxis applications. The Larger 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. They are a perfect replacement for competitive HTD and high powered curvilinear profiles.

PowerGrip GT3 8MGT and 14MGT pitches are standard static conductive to ISO 9563 and can be used in hazardous explosive areas. Certificates delivered on request.

They can also be supplied in a silicone-free construction and are therefore ideal for painting processes. As contamination risks are excluded, it is the ideal for the automotive industry.

Construction

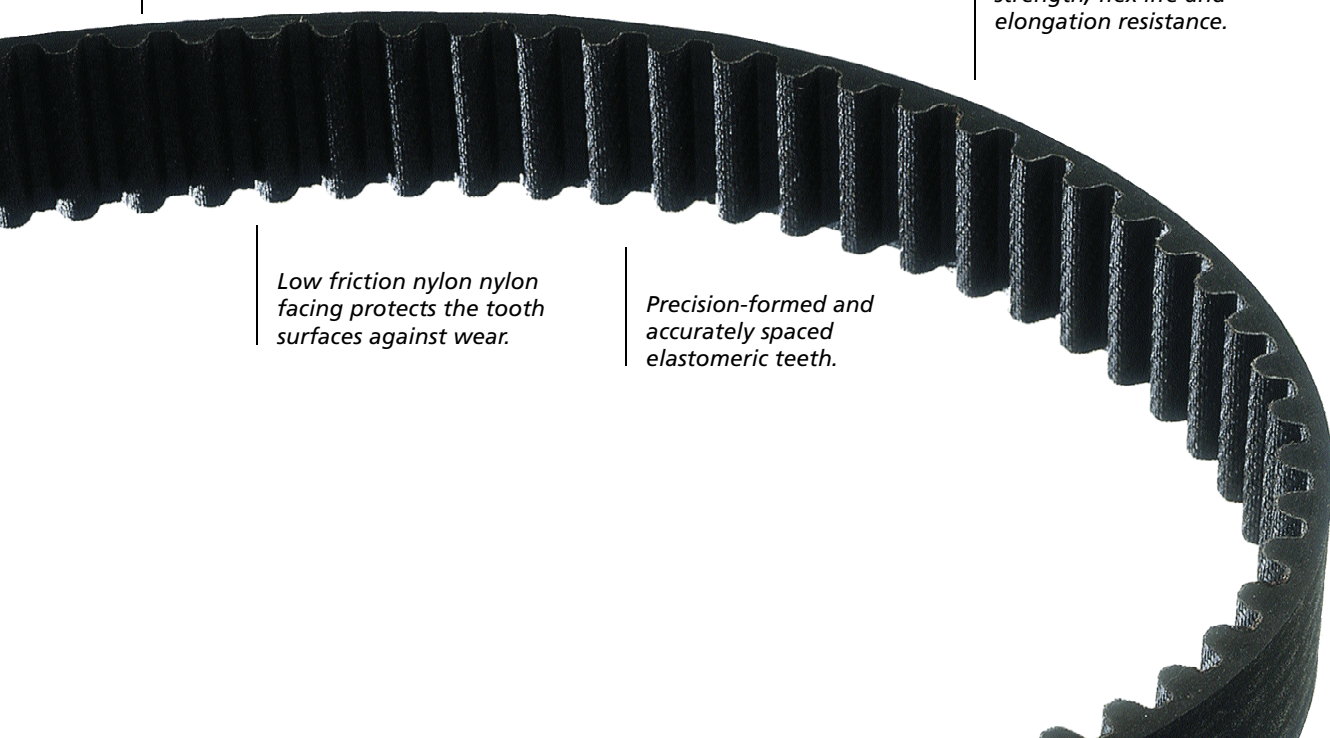
Technologically advanced compound with fibreglass tensile cord, elastomeric teeth and backing and nylon facing.

Elastomeric backing protects the cords from environmental pollution and frictional wear.

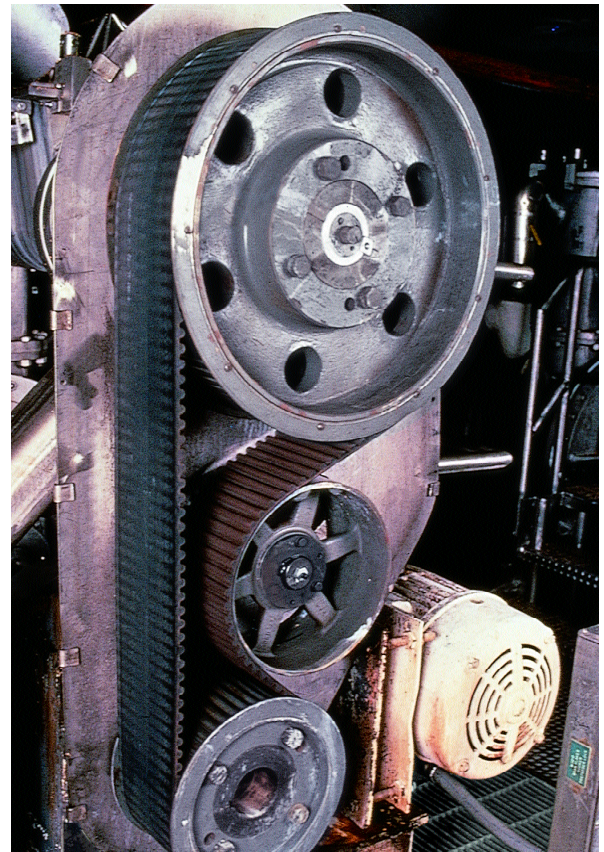
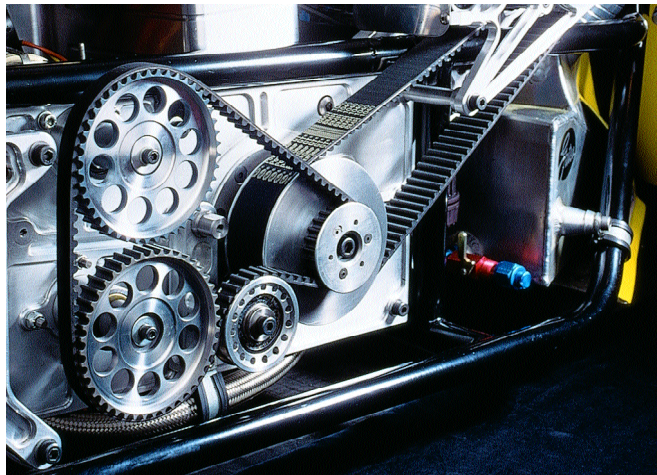
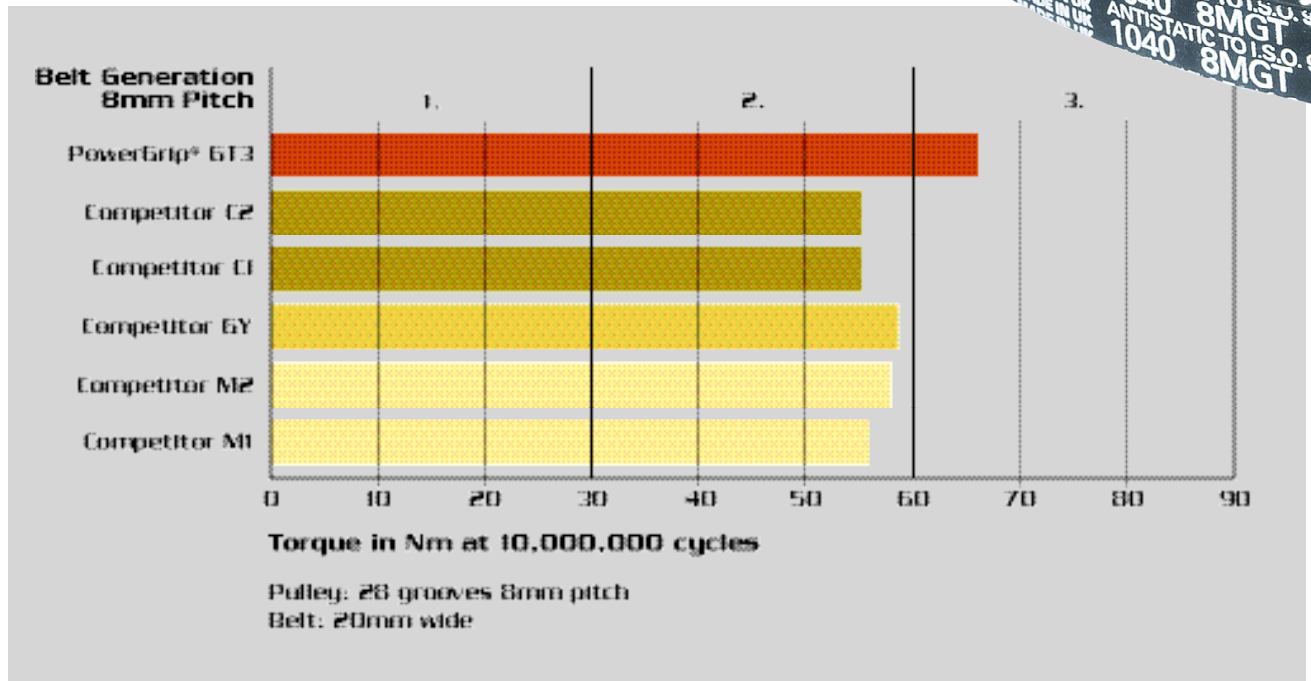
Helically wound tensile member gives enormous strength, flex life and elongation resistance.

Low friction nylon nylon facing protects the tooth surfaces against wear.

Precision-formed and accurately spaced elastomeric teeth.



PowerGrip® GT3 V's competitors' belts



Advantages of PowerGrip® GT3

- Substantially increased power ratings: up to 30% more than previous constructions.
- Compact, light weight and cost-effective drives.
- Improved tooth jump resistance.
- High capacity belt with reduced noise levels.
- No lubrication needed.

DESIGN PERFORMANCE GROUPING - POWERGRIP GT3

PowerGrip GT3 - 8mm and 14mm belts can be used to replace other non-Gates curvilinear belts in the next smallest width

| COMPANY | PRODUCT TRADE NAME | NOMENCLATURE | BELT PITCH | PROFILE |
|------------|-----------------------|------------------|------------|---------|
| BANDO | SYNCHRO-LINK®- HT | 1600-8M-20-H | 8 & 14mm | HTD |
| DODGE | HT100™ | 1600-8M-20 HT100 | 8 & 14mm | GT |
| ELECTRON | EHT® | 1600-8M-20 | 8 & 14mm | HTD |
| GATES | HTD® | 1600-8M-20 | 8 & 14mm | HTD |
| JASON | HTB® | 1600-8M-20 | 8 & 14mm | HTD |
| MBL | HTT™ | 1600-8M-20 | 8 & 14mm | HTD |
| OPTI BELT | HTD® | 1600-8M-20 | 8 & 14mm | HTD |
| FENNER | HTD® | 1600-8M-20 | 8 & 14mm | HTD |
| BROWNING | HPT® | 1600-8M-20 | 14mm | RPP |
| DAYCO | RPP® | 1600-8M-20 | 14mm | RPP |
| GOODYEAR | HPPD™ | 1600-8M-20 | 14mm | RPP |
| T.B. WOODS | RPP® | 1600-8M-20 | 14mm | RPP |
| THERMOID | SYNCHRO-CURVE® TIMING | 1600-8M-20 | 14mm | RPP |
| FENNER | TORQUE DRIVE PLUS® | 8MR-1600-20 | 8 & 14mm | GT |
| DAYCO | RPP PLUS™ | 1600-8M-20 | 14mm | RPP |
| DAYCO | HPR™ | 1600-8M-20 | 14mm | RPP |
| DODGE | HT150™ | 1600-8M-20 | 8 & 14mm | GT |
| T.B. WOODS | RPP PLUS™ | 1600-8M-20 | 14mm | RPP |
| T.B. WOODS | HPR™ | 1600-8M-20 | 14mm | RPP |

| COMPETITORS WIDTH 8MM - PITCH | POWERGRIP GT3 - WIDTH 8MM - PITCH | COMPETITORS WIDTH 14MM - PITCH | POWERGRIP GT3 - WIDTH 14MM - PITCH |
|----------------------------------|--------------------------------------|-----------------------------------|---------------------------------------|
| 20 | 20 | 40 | 40 |
| 30 | 20 | 55 | 40 |
| 50 | 30 | 85 | 55 |
| 85 | 50 | 115 | 85 |
| | | 170 | 115 |

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Dayco and Panther are registered trademarks and RPP is a trademark of Dayco Products inc.



2MGT Pitch: 2mm

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 74-2MGT | 74 | 37 |
| 76-2MGT | 76 | 38 |
| 80-2MGT | 80 | 40 |
| 90-2MGT | 90 | 45 |
| 100-2MGT | 100 | 50 |
| 112-2MGT | 112 | 56 |
| 124-2MGT | 124 | 62 |
| 130-2MGT | 130 | 65 |
| 132-2MGT | 132 | 66 |
| 134-2MGT | 134 | 67 |
| 140-2MGT | 140 | 70 |
| 142-2MGT | 142 | 71 |
| 152-2MGT | 152 | 76 |
| 158-2MGT | 158 | 79 |
| 164-2MGT | 164 | 82 |
| 168-2MGT | 168 | 84 |
| 172-2MGT | 172 | 86 |
| 178-2MGT | 178 | 89 |
| 180-2MGT | 180 | 90 |
| 184-2MGT | 184 | 92 |
| 186-2MGT | 186 | 93 |
| 192-2MGT | 192 | 96 |
| 194-2MGT | 194 | 97 |
| 202-2MGT | 202 | 101 |
| 208-2MGT | 208 | 104 |
| 210-2MGT | 210 | 105 |
| 212-2MGT | 212 | 106 |
| 216-2MGT | 216 | 108 |
| 220-2MGT | 220 | 110 |
| 224-2MGT | 224 | 112 |
| 232-2MGT | 232 | 116 |
| 240-2MGT | 240 | 120 |
| 242-2MGT | 242 | 121 |
| 250-2MGT | 250 | 125 |
| 252-2MGT | 252 | 126 |
| 264-2MGT | 264 | 132 |
| 274-2MGT | 274 | 137 |
| 280-2MGT | 280 | 140 |
| 284-2MGT | 284 | 142 |
| 286-2MGT | 286 | 143 |
| 288-2MGT | 288 | 144 |
| 304-2MGT | 304 | 152 |

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 310-2MGT | 310 | 155 |
| 318-2MGT | 318 | 159 |
| 320-2MGT | 320 | 160 |
| 322-2MGT | 322 | 161 |
| 330-2MGT | 330 | 165 |
| 332-2MGT | 332 | 166 |
| 336-2MGT | 336 | 168 |
| 342-2MGT | 342 | 171 |
| 356-2MGT | 356 | 178 |
| 364-2MGT | 364 | 182 |
| 370-2MGT | 370 | 185 |
| 380-2MGT | 380 | 190 |
| 386-2MGT | 386 | 193 |
| 392-2MGT | 392 | 196 |
| 400-2MGT | 400 | 200 |
| 406-2MGT | 406 | 203 |
| 412-2MGT | 412 | 206 |
| 420-2MGT | 420 | 210 |
| 428-2MGT | 428 | 214 |
| 430-2MGT | 430 | 215 |
| 436-2MGT | 436 | 218 |
| 466-2MGT | 466 | 233 |
| 474-2MGT | 474 | 237 |
| 480-2MGT | 480 | 240 |
| 488-2MGT | 488 | 244 |
| 502-2MGT | 502 | 251 |
| 516-2MGT | 516 | 258 |
| 534-2MGT | 534 | 267 |
| 544-2MGT | 544 | 272 |
| 576-2MGT | 576 | 288 |
| 580-2MGT | 580 | 290 |
| 600-2MGT | 600 | 300 |
| 660-2MGT | 660 | 330 |
| 690-2MGT | 690 | 345 |
| 816-2MGT | 816 | 408 |
| 930-2MGT | 930 | 465 |
| 1032-2MGT | 1032 | 516 |
| 1164-2MGT | 1164 | 582 |
| 1386-2MGT | 1386 | 693 |
| 1700-2MGT | 1700 | 850 |
| 1830-2MGT | 1830 | 915 |

Available in widths of 3mm, 6mm and 9mm

3MGT Pitch: 3mm

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 105-3MGT | 105 | 35 |
| 120-3MGT | 120 | 40 |
| 135-3MGT | 135 | 45 |
| 144-3MGT | 144 | 48 |
| 150-3MGT | 150 | 50 |
| 165-3MGT | 165 | 55 |
| 174-3MGT | 174 | 58 |
| 180-3MGT | 180 | 60 |
| 186-3MGT | 186 | 62 |
| 192-3MGT | 192 | 64 |
| 195-3MGT | 195 | 65 |
| 201-3MGT | 201 | 67 |
| 204-3MGT | 204 | 68 |
| 210-3MGT | 210 | 70 |
| 216-3MGT | 216 | 72 |
| 225-3MGT | 225 | 75 |
| 231-3MGT | 231 | 77 |
| 234-3MGT | 234 | 78 |
| 240-3MGT | 240 | 80 |
| 243-3MGT | 243 | 81 |
| 246-3MGT | 246 | 82 |
| 252-3MGT | 252 | 84 |
| 255-3MGT | 255 | 85 |
| 267-3MGT | 267 | 89 |
| 270-3MGT | 270 | 90 |
| 276-3MGT | 276 | 92 |
| 282-3MGT | 282 | 94 |
| 285-3MGT | 285 | 95 |
| 288-3MGT | 288 | 96 |
| 294-3MGT | 294 | 98 |
| 300-3MGT | 300 | 100 |
| 303-3MGT | 303 | 101 |
| 309-3MGT | 309 | 103 |
| 312-3MGT | 312 | 104 |
| 324-3MGT | 324 | 108 |
| 330-3MGT | 330 | 110 |
| 339-3MGT | 339 | 113 |
| 354-3MGT | 354 | 118 |
| 357-3MGT | 357 | 119 |
| 360-3MGT | 360 | 120 |

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 363-3MGT | 363 | 121 |
| 375-3MGT | 375 | 125 |
| 384-3MGT | 384 | 128 |
| 387-3MGT | 387 | 129 |
| 390-3MGT | 390 | 130 |
| 393-3MGT | 393 | 131 |
| 399-3MGT | 399 | 133 |
| 408-3MGT | 408 | 136 |
| 420-3MGT | 420 | 140 |
| 426-3MGT | 426 | 142 |
| 450-3MGT | 450 | 150 |
| 456-3MGT | 456 | 152 |
| 480-3MGT | 480 | 160 |
| 483-3MGT | 483 | 161 |
| 489-3MGT | 489 | 163 |
| 495-3MGT | 495 | 165 |
| 501-3MGT | 501 | 167 |
| 510-3MGT | 510 | 170 |
| 513-3MGT | 513 | 171 |
| 522-3MGT | 522 | 174 |
| 537-3MGT | 537 | 179 |
| 540-3MGT | 540 | 180 |
| 552-3MGT | 552 | 184 |
| 561-3MGT | 561 | 187 |
| 564-3MGT | 564 | 188 |
| 570-3MGT | 570 | 190 |
| 582-3MGT | 582 | 194 |
| 588-3MGT | 588 | 196 |
| 600-3MGT | 600 | 200 |
| 621-3MGT | 621 | 207 |
| 630-3MGT | 630 | 210 |
| 657-3MGT | 657 | 219 |
| 750-3MGT | 750 | 250 |
| 840-3MGT | 840 | 280 |
| 849-3MGT | 849 | 283 |
| 897-3MGT | 897 | 299 |
| 1587-3MGT | 1587 | 529 |
| 1692-3MGT | 1692 | 564 |

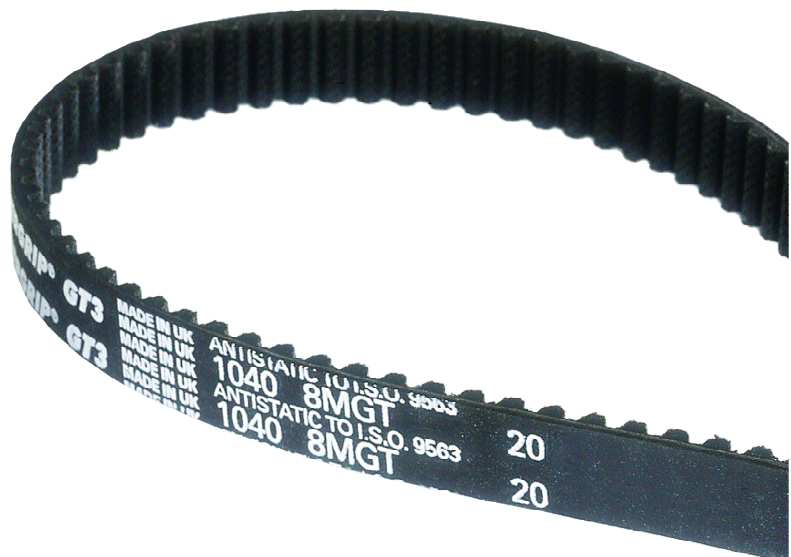
Available in widths of 6mm, 9mm and 15mm

5MGT Pitch: 5mm

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 200-5MGT | 200 | 40 |
| 225-5MGT | 225 | 45 |
| 250-5MGT | 250 | 50 |
| 265-5MGT | 265 | 53 |
| 275-5MGT | 275 | 55 |
| 280-5MGT | 280 | 56 |
| 285-5MGT | 285 | 57 |
| 300-5MGT | 300 | 60 |
| 325-5MGT | 325 | 65 |
| 330-5MGT | 330 | 66 |
| 340-5MGT | 340 | 68 |
| 350-5MGT | 350 | 70 |
| 360-5MGT | 360 | 72 |
| 375-5MGT | 375 | 75 |
| 400-5MGT | 400 | 80 |
| 410-5MGT | 410 | 82 |
| 415-5MGT | 415 | 83 |
| 425-5MGT | 425 | 85 |
| 450-5MGT | 450 | 90 |
| 460-5MGT | 460 | 92 |
| 475-5MGT | 475 | 95 |
| 490-5MGT | 490 | 98 |
| 500-5MGT | 500 | 100 |
| 510-5MGT | 510 | 102 |

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 525-5MGT | 525 | 105 |
| 530-5MGT | 530 | 106 |
| 540-5MGT | 540 | 108 |
| 550-5MGT | 550 | 110 |
| 600-5MGT | 600 | 120 |
| 625-5MGT | 625 | 125 |
| 650-5MGT | 650 | 130 |
| 665-5MGT | 665 | 133 |
| 700-5MGT | 700 | 140 |
| 750-5MGT | 750 | 150 |
| 775-5MGT | 775 | 155 |
| 800-5MGT | 800 | 160 |
| 850-5MGT | 850 | 170 |
| 860-5MGT | 860 | 172 |
| 900-5MGT | 900 | 180 |
| 950-5MGT | 950 | 190 |
| 980-5MGT | 980 | 196 |
| 1000-5MGT | 1000 | 200 |
| 1050-5MGT | 1050 | 210 |
| 1150-5MGT | 1150 | 230 |
| 1270-5MGT | 1270 | 254 |
| 1500-5MGT | 1500 | 300 |
| 2100-5MGT | 2100 | 420 |
| 2440-5MGT | 2440 | 488 |

Available in widths of 9mm, 15mm and 25mm



8MGT Pitch: 8mm

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 384-8MGT | 384 | 48 |
| 480-8MGT | 480 | 60 |
| 560-8MGT | 560 | 70 |
| 600-8MGT | 600 | 75 |
| 640-8MGT | 640 | 80 |
| 720-8MGT | 720 | 90 |
| 800-8MGT | 800 | 100 |
| 840-8MGT | 840 | 105 |
| 880-8MGT | 880 | 110 |
| 920-8MGT | 920 | 115 |
| 960-8MGT | 960 | 120 |
| 1040-8MGT | 1040 | 130 |
| 1064-8MGT | 1064 | 133 |
| 1120-8MGT | 1120 | 140 |
| 1160-8MGT | 1160 | 145 |
| 1200-8MGT | 1200 | 150 |
| 1280-8MGT | 1280 | 160 |
| 1440-8MGT | 1440 | 180 |
| 1512-8MGT | 1512 | 189 |
| 1584-8MGT | 1584 | 198 |
| 1600-8MGT | 1600 | 200 |
| 1760-8MGT | 1760 | 220 |
| 1800-8MGT | 1800 | 225 |
| 2000-8MGT | 2000 | 250 |
| 2400-8MGT | 2400 | 300 |
| 2600-8MGT | 2600 | 325 |
| 2800-8MGT | 2800 | 350 |
| 3048-8MGT | 3048 | 381 |
| 3280-8MGT | 3280 | 410 |
| 3600-8MGT | 3600 | 450 |
| 4400-8MGT | 4400 | 550 |

Available in widths of 20mm, 30mm, 50mm, 85mm

14MGT Pitch: 14mm

| LENGTH AND PITCH DESIGNATION | PITCH LENGTH MM | NUMBER OF TEETH |
|------------------------------|-----------------|-----------------|
| 966-14MGT | 966 | 69 |
| 1190-14MGT | 1190 | 85 |
| 1400-14MGT | 1400 | 100 |
| 1610-14MGT | 1610 | 115 |
| 1750-14MGT | 1750 | 125 |
| 1778-14MGT | 1778 | 127 |
| 1890-14MGT | 1890 | 135 |
| 2100-14MGT | 2100 | 150 |
| 2310-14MGT | 2310 | 165 |
| 2450-14MGT | 2450 | 175 |
| 2590-14MGT | 2590 | 185 |
| 3150-14MGT | 3150 | 225 |
| 3360-14MGT | 3360 | 240 |
| 3500-14MGT | 3500 | 250 |
| 3850-14MGT | 3850 | 275 |
| 4326-14MGT | 4326 | 309 |
| 4578-14MGT | 4578 | 327 |
| 4956-14MGT | 4956 | 354 |
| 5320-14MGT | 5320 | 380 |
| 5740-14MGT | 5740 | 410 |
| 6160-14MGT | 6160 | 440 |
| 6860-14MGT | 6860 | 490 |

Available in widths of 40mm, 55mm, 85mm, 115mm, and 170mm

PowerGrip GT3 ordering code is composed as follows:

PGGT3 - PowerGrip GT3
 501 - Pitch length (mm)
 3MGT - Pitch 3mm
 6 - Belt width (mm)

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