



Poly Chain® GT® Carbon™ Belts

Poly Chain GT Carbon Belts — Nothing Tougher.

Give yourself a competitive advantage by designing in the Gates Poly Chain GT Carbon drive system instead of roller chain in your next power transmission application.

The patented use of Carbon Fiber as the tensile cord in this belt provides increased horsepower rating for greater power density and compactness and increased flexibility, allowing the use of backside idlers. When combined with Gates Poly Chain GT2 sprockets, you have a lightweight, long-lasting, maintenance-free system that's more than a match for roller chain.

Markets/Applications

All industrial markets, especially suited to replace roller chain drives. Narrow width minimizes reducer overhung loads and left-justified hubs on Poly Chain GT2 sprockets accommodate short shaft lengths.

Features/Advantages

- Maintenance-free, clean solution for roller chain drive conversion
 - Significantly reduces maintenance costs
 - Equivalent capacity to roller chain drives in the same width
 - Easy rust-free wash-down with Gates Stainless Steel hardware
 - Fast drive conversion payback
 - Quieter than roller chain drives
- New construction provides up to 55% more low-speed capacity than the original PCGT construction and 30% more than PCGT2.
- Gates **curvilinear tooth profile** provides high shear strength, noise reduction, and improved load carrying capacity.
- Robust **carbon tensile cord** combines minimal stretch with extraordinary strength and load carrying capacity, while absorbing shock and surge loads.
- Durable **polyurethane construction** resists chemicals, oil, pollutants, and abrasion.
- **Nylon tooth facing** reduces friction and eliminates the need for lubrication.
- Fully operational in temperature extremes of -65°F to +185°F (-54°C to +85°C).

Recommended Sprockets

Poly Chain GT2 Sprockets - 8M and 14M

Notes

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 Poly Chain GT Carbon belt lies within the tensile member.~Poly Chain GT Carbon belt part numbers are identical to those of Poly Chain GT2: part number 8MGT-1000-21 denotes an 8mm pitch, 1000mm pitch length and 21mm width.~Poly Chain GT Carbon belts can be used on existing drives as replacement for previous generation Poly Chain belts.

WARNING: Use of non-Gates manufactured sprockets is not recommended: Gates Poly Chain GT2 sprockets are manufactured, specified and tested to fully support the full capabilities of the Poly Chain GT Carbon belt. Product performance cannot be guaranteed when non-Gates sprockets are used.

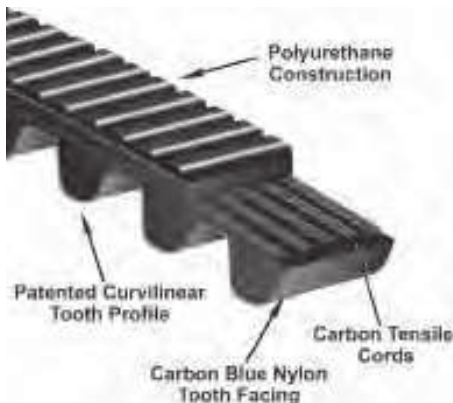
Always utilize Taper-Lock® type Poly Chain GT2 Sprockets when designing a new Poly Chain GT Carbon belt drive system.

Product No. Series 9274

8mm Pitch — 12mm Wide

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
8MGT-640-12	9274-0080	80	25.20	.40
8MGT-720-12	9274-0090	90	28.35	.47
8MGT-800-12	9274-0100	100	31.50	.50
8MGT-896-12	9274-0112	112	35.28	.55
8MGT-960-12	9274-0120	120	37.80	.58
8MGT-1000-12	9274-0125	125	39.37	.60
8MGT-1040-12	9274-0130	130	40.95	.65

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
8MGT-1120-12	9274-0140	140	44.09	.68
8MGT-1200-12	9274-0150	150	47.24	.70
8MGT-1224-12	9274-0153	153	48.19	.72
8MGT-1280-12	9274-0160	160	50.39	.75
8MGT-1440-12	9274-0180	180	56.69	.80
8MGT-1600-12	9274-0200	200	62.99	.90
8MGT-1760-12	9274-0220	220	69.29	.95



Product Information

Specialized Mining Hose

Specialized Mining Couplings, Adapters and Accessories

Standard Hydraulic Hose

Equipment

Belts





Poly Chain® GT® Carbon™ Belts

Product No. Series 9274 (continued)

8mm Pitch — 62mm Wide (continued)

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
8MGT-1792-62	9274-3224	224	70.55	2.10
8MGT-2000-62	9274-3250	250	78.74	2.30
8MGT-2200-62	9274-3275	275	86.61	2.50
8MGT-2240-62	9274-3280	280	88.19	2.55
8MGT-2400-62	9274-3300	300	94.49	2.80
8MGT-2520-62	9274-3315	315	99.21	2.90
8MGT-2600-62	9274-3325	325	102.36	2.95
8MGT-2800-62	9274-3350	350	110.24	3.10

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
8MGT-2840-62	9274-3355	355	111.81	3.15
8MGT-3048-62	9274-3381	381	120.00	3.40
8MGT-3200-62	9274-3400	400	125.98	3.60
8MGT-3280-62	9274-3410	410	129.13	3.70
8MGT-3600-62	9274-3450	450	141.73	4.05
8MGT-4000-62	9274-3500	500	157.48	4.40
8MGT-4400-62	9274-3550	550	173.23	4.80
8MGT-4480-62	9274-3560	560	176.38	4.90

14mm Pitch — 20mm Wide

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-994-20	9274-4071	71	39.13	1.30
14MGT-1120-20	9274-4080	80	44.09	1.35
14MGT-1190-20	9274-4085	85	46.85	1.40
14MGT-1260-20	9274-4090	90	49.61	1.45
14MGT-1400-20	9274-4100	100	55.12	1.55
14MGT-1568-20	9274-4112	112	61.73	1.65
14MGT-1610-20	9274-4115	115	63.39	1.70
14MGT-1750-20	9274-4125	125	68.90	1.75
14MGT-1890-20	9274-4135	135	74.41	1.75
14MGT-1960-20	9274-4140	140	77.17	1.80
14MGT-2100-20	9274-4150	150	82.68	1.90
14MGT-2240-20	9274-4160	160	88.19	1.98
14MGT-2310-20	9274-4165	165	90.95	2.05
14MGT-2380-20	9274-4170	170	93.70	2.10

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-2450-20	9274-4175	175	96.46	2.15
14MGT-2520-20	9274-4180	180	99.21	2.20
14MGT-2590-20	9274-4185	185	101.97	2.20
14MGT-2660-20	9274-4190	190	104.72	2.25
14MGT-2800-20	9274-4200	200	110.24	2.30
14MGT-3136-20	9274-4224	224	123.46	2.50
14MGT-3304-20	9274-4236	236	130.08	2.55
14MGT-3360-20	9274-4240	240	132.28	2.60
14MGT-3500-20	9274-4250	250	137.80	2.70
14MGT-3850-20	9274-4275	275	151.58	2.85
14MGT-3920-20	9274-4280	280	154.33	2.95
14MGT-4326-20	9274-4309	309	170.32	3.15
14MGT-4410-20	9274-4315	315	173.62	3.20

14mm Pitch — 37mm Wide

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-994-37	9274-5071	71	39.13	1.60
14MGT-1120-37	9274-5080	80	44.09	1.70
14MGT-1190-37	9274-5085	85	46.85	1.75
14MGT-1260-37	9274-5090	90	49.61	1.80
14MGT-1400-37	9274-5100	100	55.12	2.05
14MGT-1568-37	9274-5112	112	61.73	2.20
14MGT-1610-37	9274-5115	115	63.39	2.30
14MGT-1750-37	9274-5125	125	68.90	2.45
14MGT-1890-37	9274-5135	135	74.41	2.55
14MGT-1960-37	9274-5140	140	77.17	2.60
14MGT-2100-37	9274-5150	150	82.68	2.70
14MGT-2240-37	9274-5160	160	88.19	2.85
14MGT-2310-37	9274-5165	165	90.95	2.90
14MGT-2380-37	9274-5170	170	93.70	3.00

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-2450-37	9274-5175	175	96.46	3.10
14MGT-2520-37	9274-5180	180	99.21	3.20
14MGT-2590-37	9274-5185	185	101.97	3.25
14MGT-2660-37	9274-5190	190	104.72	3.35
14MGT-2800-37	9274-5200	200	110.24	3.40
14MGT-3136-37	9274-5224	224	123.46	3.65
14MGT-3304-37	9274-5236	236	130.08	3.85
14MGT-3360-37	9274-5240	240	132.28	3.85
14MGT-3500-37	9274-5250	250	137.80	3.95
14MGT-3850-37	9274-5275	275	151.58	4.25
14MGT-3920-37	9274-5280	280	154.33	4.35
14MGT-4326-37	9274-5309	309	170.32	4.70
14MGT-4410-37	9274-5315	315	173.62	4.75

14mm Pitch — 68mm Wide

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-994-68	9274-6071	71	39.13	2.40
14MGT-1120-68	9274-6080	80	44.09	2.60
14MGT-1190-68	9274-6085	85	46.85	2.70
14MGT-1260-68	9274-6090	90	49.61	2.80
14MGT-1400-68	9274-6100	100	55.12	3.00
14MGT-1568-68	9274-6112	112	61.73	3.25
14MGT-1610-68	9274-6115	115	63.39	3.40
14MGT-1750-68	9274-6125	125	68.90	3.60
14MGT-1890-68	9274-6135	135	74.41	3.95

Part No.	Product No.	No. of Teeth	Pitch Length (In.)	Wt. Ea. (Lbs.)
14MGT-1960-68	9274-6140	140	77.17	4.00
14MGT-2100-68	9274-6150	150	82.68	4.20
14MGT-2240-68	9274-6160	160	88.19	4.50
14MGT-2310-68	9274-6165	165	90.95	4.70
14MGT-2380-68	9274-6170	170	93.70	4.70
14MGT-2450-68	9274-6175	175	96.46	4.85
14MGT-2520-68	9274-6180	180	99.21	4.90
14MGT-2590-68	9274-6185	185	101.97	5.00
14MGT-2660-68	9274-6190	190	104.72	5.15



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