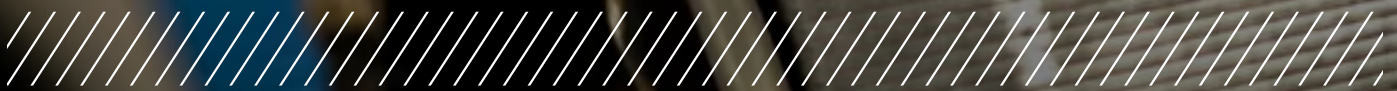




DRIVEN BY POSSIBILITY™



POWER TRANSMISSION:

CHAIN TO BELT





DRIVEN BY POSSIBILITY™

THE BENEFITS OF DITCHING CHAIN:

CHAIN TO BELT: INDUSTRIAL ENGINEERED SOLUTIONS

GATES DELIVERS MODERN TECHNOLOGY TO SOLVE CHALLENGES OF TRADITIONAL METHODS

Gates believes in innovation and keeping our customers at the forefront of everything we do. That's what the Chain to Belt program is all about. Chain systems require constant maintenance, unsanitary oil baths, and can cause long, costly downtimes when they fail. Converting chain drive systems to a Gates belt drive solution eliminates those concerns. There is no lubrication or tensioning required which saves your people time and energy, while lasting three times as long as traditional chain and weighing 97% less on average. The end result is a system that will easily pay for the cost to upgrade in six to twelve months.

BREADTH OF PORTFOLIO

CREATING SYSTEM SOLUTIONS that address today's industrial challenges, including Synchronous Belts, Thermoplastic Polyurethane (TPU), V-Belts, and metals.

MATERIALS SCIENCE INNOVATION

POWER TRANSMISSION SOLUTIONS delivering improved safety, reliability and productivity through advanced materials science technologies.

COVERAGE & SUPPORT

GATES INFRASTRUCTURE supports customers every step of the way, through extensive distribution networks, technical application engineers, and technical sales support.

TRADITIONAL METHODS (HISTORIC TECHNOLOGIES)	GATES SOLUTIONS (MODERN TECHNOLOGIES)	VALUE PROPOSITION
Roller Chain	Poly Chain® GT® Carbon®	<ul style="list-style-type: none"> 3X Longer Lifetime Employee Health + Safety Benefits Lighter Weight Lower maintenance
Gear Boxes / Direct Drive	Poly Chain® GT® Carbon®	<ul style="list-style-type: none"> Equivalent Lifetime Shorter Lead Time Lower Maintenance Easier Rebuild Reduced Spare Part Cost
Engineered Chain	Profile Thermoplastic Polyurethane (TPU)	<ul style="list-style-type: none"> Smooth + Quiet No Rust + No Grease Less Maintenance Lighter Weight Run at Faster Speeds
Plastic Modular Chain	Supported Thermoplastic Polyurethane (TPU)	<ul style="list-style-type: none"> HSE (Reduced Contamination Risk) Smooth + Quiet Easier + Cheaper to Clean Reduced Maintenance
Lift Cables	Flat Belt Thermoplastic Polyurethane (TPU)	<ul style="list-style-type: none"> Reduced Stretch + Maintenance Smooth + Quiet Lower Power Consumption
Lead/Ball Screw Systems	Linear Belt Thermoplastic Polyurethane (TPU)	<ul style="list-style-type: none"> Faster Speeds More Cost Effective for Longer Lengths + Lighter Loads Reduced Maintenance

INDUSTRIES + END MARKETS	APPLICATIONS
Material Handling, Distribution, + Intralogistics	Storage + Retrieval Systems
Food Processing	Direct Contact Conveyance
Packaging Manufacturing + Automation	Horizontal + Vertical Positioning
Asphalt + Cement Plants	Bucket Elevators
Aggregates + Bulk Materials	Vertical Lift Systems
Health Sciences	Analyzers + Fitness Equipment
Agriculture + Grain Silo	Transport Conveyors
Lumber Mills	Leg Elevators
Oil + Gas	Fans + Pumps



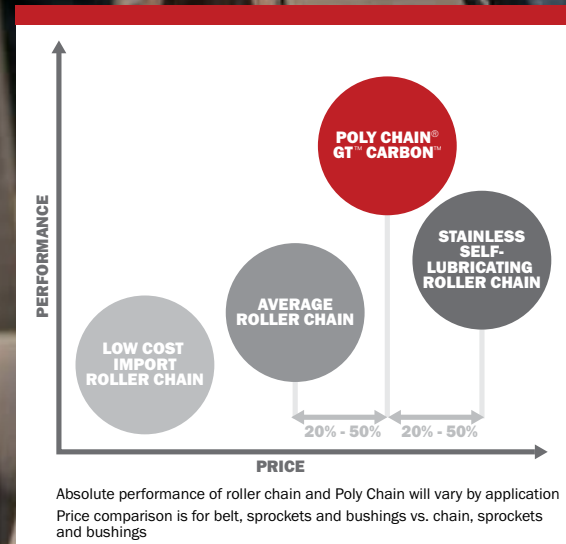
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POLY CHAIN®

THE GATES BELT-DRIVE-SOLUTIONS

- 3x Longer Life
- Requires no lubrication
- Virtually maintenance free, with no re-tensioning required
- Significantly reduced weight and noise
- Carbon tensile cord does not stretch
- Belt sprockets good for 2 to 3 belt changes
- Increased uptime
- No crane rental to replace the belt
- Increased safety
- Can reach virtually any center distance

THE BENEFITS EASILY PAY FOR THE COST TO UPGRADE, PAYBACK PERIOD IN 6-12 MONTHS



POLY CHAIN PORTFOLIO	
LENGTHS AVAILABLE	UP TO 65.6 FT (PITCH DEPENDENT)
PITCHES AVAILABLE	5MM, 8MM, 14MM, 19MM
WIDTHS AVAILABLE	9MM TO 300MM
TEMPERATURE RANGE	-65F TO +185F
CONSTRUCTION	CARBON TENSILE CORDS; TRULY ENDLESS
OTHER FEATURES	HIGH-MODULUS CORD WHICH ALLOWS USE OF BACKSIDE IDLER

POLY CHAIN GT CARBON ROLLER CHAIN COVERAGE CHART																
Chain	#35	#40	#50	2-#40	#60	#40-3	#50-2	#50-3	#60-2	#80	#60-3	#100	#80-2	#120	#80-3	#100-2
Width (mm)	12.7	17.0	21.1	31.5	26.4	45.7	39.4	57.4	49.3	33.5	72.1	40.9	62.7	50.8	91.9	76.7
8M-12	8M x 12 mm															
8M-21				8M x 21 mm												
8M-36								8M x 36 mm								
8M-62											8M x 62 mm					
14M-20				14M x 20 mm												
14M-37											14M x 37 mm					
14M-68															14M x 68 mm	

POLY CHAIN GT CARBON ROLLER CHAIN COVERAGE CHART CONTINUED																
Chain	#140	#160	#120-2	#100-3	#180	#140-2	#120-3	#200	#160-2	#180-2	#200-2	#240-2	#200-3	#240-3	#200-4	#200-5
Width (mm)	54.4	64.5	96.3	112.5	73.2	103.4	141.7	79.2	123.2	139.2	150.9	184.7	222.5	272.5	294.1	363.2
14M-68	14M x 68 mm															
14M-90				14M x 90 mm												
14M-125								14M x 125 mm								
19M-100								19M x 100 mm								
19M-150										19M x 150 mm						
19M-200											19M x 200 mm					
19M-250													19M x 250 mm			
19M-300															19M x 300 mm	

NOTES:

- Chain size ordered in increasing load capacity
- Chart indicates Poly Chain GT Carbon belt widths and roller chain sizes with equivalent power ratings
- Not to be used for drive design purposes.

POLY CHAIN® EXTENDED LENGTH™

Gates' innovative carbon tensile technology and extended length polyurethane belting capability enables manufacturers to have higher uptime, lower maintenance, multiyear solution longevity, and greatly reduced multi-year operating costs.

POLY CHAIN® ADV™

Higher power than you've reached before. Narrower drives than ever before. Poly Chain ADV™ is designed for significantly reduced weight and maintenance in your high-torque applications with limited space constraints.

POLY CHAIN® CARBON™ VOLT®

Suitable for high torque, low speed drives and environments with explosive atmospheres, Poly Chain® Carbon™ Volt® is Static conductive to ISO 9563 throughout the lifetime of the belt.