



	TRADITIONAL METHODS (HISTORIC TECHNOLOGIES)	GATES SOLUTION (MODERN TECHNOL	NS .OGIES)	VALUE PROPOSITION				
	Roller Chain	Poly Chain® GT™ Ca	arbon™	 3X Longer Lifetime Employee Health + Safety Benefits Lighter Weight Lower maintenance 				
	Gear Boxes / Direct Drive	Poly Chain [®] GT™ Ca	arbon™	 Equivalent Lifetime Shorter Lead Time Lower Maintenance Easier Rebuild Reduced Spare Part Cost 				
	Engineered Chain	Profile Thermopl Polyurethane (T	astic PU)	 Smooth + Quiet No Rust + No Grease Less Maintenance Lighter Weight Run at Faster Speeds 	(Acceptance)			
	Plastic Modular Chain	Supported Thermo Polyurethane (T	plastic PU)	 HSE (Reduced Contamination Risk) Smooth + Quiet Easier + Cheaper to Clean Reduced Maintenance 				
	Lift Cables	Flat Belt Thermop Polyurethane (T		Reduced Stretch + Maintenance Smooth + Quiet Lower Power Consumption				
	Lead/Ball Screw Systems	Linear Belt Thermo Polyurethane (T	plastic PU)	 Faster Speeds More Cost Effective for Longer Lengths + Lighter Loads Reduced Maintenance 				
	-	AL STEEL S						
	INDUSTRIES + END	MARKETS	Trister No.	APPLICATIONS				
	Material Handing, Distributi	ion, + Intralogistics	Storage + Retreival Systems					
	Food Process	sing		Direct Contact Conveyance	1			
	Packaging Manufacturin	g + Automation		Horizontal + Vertical Positioning				
	Asphalt + Cemer	nt Plants	Bucket Elevators					
	Aggregates + Bulk		Vertical Lift Systems					
	Health Scien		Analyzers + Fitness Equipment					
	Agriculture + Gr		Transport Conveyors					
	Lumber Mi		Leg Elevators					
	Oil + Gas		854	Fans + Pumps	W.			
©2018 Gates Industrial Cor	poration.				3			

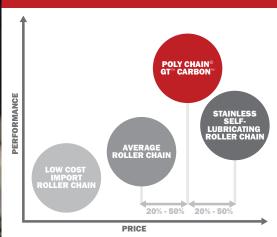


POLY CHAIN®

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



Absolute performance of roller chain and Poly Chain* will vary by application Price comparison is for belt, sprockets and bushings vs. chain, sprockets and bushings

						100	100	81		-	_		HATCH.			
POLY CHAIN® GT™ CARBON™ ROLLER CHAIN COVERAGE CHART																
Chain	3/8"	1/2"	5/8"	1/2"-2	3/4"	1/2"-3	5/8"-2	5/8"-3	3/4 "-2	1"	3/4 "-3	11/4"	1"-2	11/2"	1"-3	11/4"-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	8	M x 12 m	nm													
8M-21				8M	x 21 m	m										
8M-36								8M x 3	6 mm							
8M-62											8M x 62	2 mm				
14M-20							14N	I x 20 n	nm							
14M-37											141	/I x 37 mi	n			
14M-68														14	IM x 68 r	nm
1000					3000				100	The same		100	1	Mark A	5000	Alle
POLY CHAIN® GT™ CARBON™ ROLLER CHAIN COVERAGE CHART CONTINUED																
Chain	13/4"	2"	11/2"-2	11/4"-3	21/4"	13/4"-2	11/2"-3	21/2"	2"-2	21/4"-2	21/2"-2	3"-2	21/2"-3	3"-3	21/2"-4	21/2"-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		14	4M x 68	mm												
14M-90						14M x	90 mm									
14M-125								14	M x 125	mm						
19M-100								19	9M x 100) mm						

19M x 150 mm

19M x 200 mm

NOTES:

19M-150 19M-200

19M-250 19M-300

- 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.

19M x 300 mm









SYSTEM SOLUTIONS:

MACHINEWORKS: CUSTOM METALS



ENGINEERING

- Application Engineering
- Field Engineering
- Packaging Design

MANAGEMENT

- Production Sourcing
- Field Sales Support
- Distribution + Transportation

OEM LOGISTICS

- EAU (Estimated Annual Usage)
- Inventory Management
- Just-In-Time Delivery
- Packaging + Container
- Distribution + Transportation

© 2018 Gates Industrial Corporation.



PORTFOLIO SUMMARY:

BELT SELECTION MATRIX

		A STATE OF THE STA	Xa -
ATTRIBUTE	POLY CHAIN®	POWERGRIP™ GT™	TPU
TORQUE	HIGH TO LOW	MEDIUM TO LOW	LOW (POSITIONING)
RIM SPEED WITH STANDARD SPROCKETS*	MAX 6500FPM	MAX 6500FPM	MAX 3000FPM
NOISE	HIGHER AT HIGH SPEED	MEDIUM AT HIGH SPEED	MEDIUM AT HIGH SPEED
LENGTH (ENDLESS)	20M (65.6FT) UP TO 65.6FT ENDLESS (PITCH DEPENDENT)	7M (22.5FT) UP TO 22.5FT ENDLESS (PITCH DEPENDENT)	23.5M (77FT) UP TO 77FT ENDLESS
LENGTH (LONG LENGTH)	274M (900FT) UP TO 900FT (PITCH AND WIDTH DEPENDENT)	180M (590FT) UP TO 590FT (PITCH AND WIDTH DEPENDENT)	300M (984FT) UP TO 984FT (PITCH AND WIDTH DEPENDENT)
CONDUCTIVITY	VOLT ONLY	YES (8 AND 14MM)	STANDARD NO, SPECIAL RESIN AVAILABLE
TEMPERATURE	+185F -65F TO +185F, -54C TO +85C	+185F -30F TO +185F, -34C TO +85C	+158F +23F TO +158F, -5C TO +70C
CHEMICAL RESISTANCE	HIGH	MEDIUM	HIGH
FOOD APPLICATIONS	YES (NOT FDA)	NO	YES (FDA)
CUSTOMIZATION	VERY LOW	LOW (SOME BACKINGS)	HIGH (BACKINGS, PROFILES, MODIFICATIONS)
DUAL SIDED POWER TRANSFER	NO	YES (TWIN POWER™ GT2™)	NO

SATISFIED CUSTOMERS:

CONTINENTAL PAVING

Continental Paving has been in business for 40 years and is always looking for ways to improve what they do.

"Back in the 80's if you put down five to seven hundred tons a day, it would be a great day. Today, our goal is twenty five hundred a day. Then we get on some projects and we put down as much as thirty five hundred to four thousand tons a day" notes Mark Charbonneau, the President of Continental Paving. "Downtime is extremely expensive and one of the biggest problems is that you have 30 trucks with 10-man paving crews. If any one thing goes down, then it shuts the whole operation down. So it is important to have products that are sustainable and give you the most efficiency and long life." Replacing the chain system helped resolve very time consuming and tedious maintenance, which frees up Continental Paving to be more efficient. "The solution was the 19 mm pitch Poly Chain® belt. They installed it almost two years ago and it's been working flawlessly. It's exciting to have this kind of technology and this horsepower behind me."



CHANGEOVER PROCESS

Gates field engineers perform an onsite application survey to get measurements and application requirements.

Gates engineers use proprietary software to generate a bill of materials.

Quote and ROI proposal is delivered to the customer.

Customer commits to order, and schedules future install.

Installation is performed by onsite staff or Gates installation partners.

Gates provides tools and support to keep you running long into the future.



REPLACEMENT PART SAVINGS

IMPACT ON EMPLOYEE SAFETY

SATISFIED CUSTOMERS:

CULP LUMBER TESTIMONIAL

One belt doing what many chains used to do.

Culp Lumber is a fifth-generation family-owned business. We interviewed Charlie Smith, the Maintenance Manager for Culp Lumber, after they switched from chain drives to Poly Chain® systems throughout the entire mill. "We were having lots of trouble with our band mills. We were going through two to three sets a year, at two, three, four thousand [dollars] a set." Culp Lumber was using wide, cumbersome chain before Gates replaced it with Poly Chain® . "We put a little 2 ½ inch wide belt on there and put 150 horsepower and I really didn't have much confidence in it. Five years later it's still running."

© 2018 Gates Industrial Corporation.



GATES AUSTRALIA PTY LTD

1-15 Hydrive Close, Dandenong South, Victoria, 3175 PH: +61 3 9797 9666 FAX: +61 3 9797 9600

GATESAUSTRALIA.COM.AU FOLLOW: GATES AUSTRALIA **f** in Tollow







