



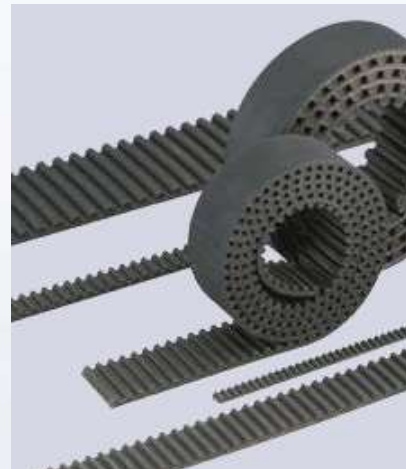
OPEN-END BELTS



LONG LENGTH & LIFTPOWER™

Open-end synchronous belt/Open-end flat belt

Next to endless belts, Gates offers a comprehensive range of open-end belts which can be easily cut off to the required length. Long Length open-end synchronous belts are especially suited for linear movements (automated doors, warehouse conveyors and elevators), accurate positioning (machine tools, x-y co-ordinate machines) and reversal drives (computers, printers and office equipment). LiftPower™ open-end flat belts have been designed for optimum performance on lifting and handling applications to move platforms and/or weights. They are an ideal alternative to hydraulic cylinders in scissors-type lifting tables and to chains and steel cables in vertical transport of motor vehicles in high rise stores. LiftPower™ belts run on flat pulleys.



Identification

Three part number on the back of the belt indicating tooth pitch, belt width and cord material.

Construction

Long Length

PowerGrip® GT 3MR, 5MR and 8MR pitches

PowerGrip® HTD® 3M, 5M, 8M and 14M pitches

PowerGrip® XL, L and H pitches

- Fibreglass or steel tensile cords.
- Rubber teeth and backing.
- Nylon facing.

Poly Chain® GT Carbon™ 8MGT and 14MGT pitches

- Carbon tensile cord.
- Polyurethane teeth and backing.
- Fabric reinforced teeth.

LiftPower™

- Steel cords or high performance steel cords guarantee very low elongation and increased flexibility compared to steel cables.
- Unique elastomeric compound.
- Fabric on the back of the belt ensures less friction and high wear resistance.

Advantages

Long Length

- High positioning accuracy, making the belt ideally suited for applications with repetitive movements.
- Length stability due to the use of high modulus tensile members.
- Easy to attach with clamping fixtures.
- Maintenance-free: no re-tensioning required, no lubrication needed.

LiftPower™

- Smooth-running and higher speeds compared to chains and steel cables.
- Simple installation with clamping plates.
- Reduced noise level.
- Maintenance-free: no re-tensioning required, no lubrication needed.



SYNCHRONOUS BELTS

POLY CHAIN® GT CARBON™



	Pitch mm	T mm	B mm	Length on roll (m)	Width - mm Aramid
8MGT	8.00	3.40	5.90	30	12, 21, 36
14MGT	14.00	6.00	10.20	30	20, 37

POWERGRIP® GT



	Pitch mm	T mm	B mm	Length on roll (m)	Width - mm Fibreglass	Steel
3MR	3.00	1.12	2.41	30	6, 9, 15	
5MR	5.00	1.92	3.81	30	6, 10, 15, 25	6, 10, 15, 25
8MR	8.00	3.34	5.60	30	10, 15, 20, 30, 50	10, 15, 20, 30, 50

POWERGRIP® HTD®



	Pitch mm	T mm	B mm	Length on roll (m)	Width - mm Fibreglass	Steel
3M	3.00	1.10	2.40	30	6, 9, 15	
5M	5.00	2.10	3.80	30	6, 10, 15, 25	6, 10, 15, 25
8M	8.00	3.40	6.00	30	10, 15, 20, 30, 50, 85	10, 15, 20, 30, 50, 85
14M	14.00	6.00	10.00	30	25, 40, 55, 85, 115	25, 40, 55, 85, 115

POWERGRIP® CTB



	Pitch inch	mm	T mm	B mm	Length on roll (m)	Width - code Fibreglass	Steel
XL	1/5	5.080	1.27	2.30	30	025, 031, 037, 050	
L	3/8	9.525	1.91	3.60	30	037, 050, 075, 100	
H	1/2	12.700	2.29	4.30	30	050, 075, 100, 150, 200, 300	050, 075, 100, 150, 200, 300

Long Length ordering code
is composed as follows:

5M-6-30m-ST

5M - Pitch 5 mm
6 - Belt width (mm)
30m - Length on roll (m)
ST - Steel (material of tensile cords)

FLAT BELTS

LIFTPOWER™



Length on roll (m)	Steel	Width - mm High performance steel
100	25, 30, 50, 60, 75, 90, 100	30, 60, 90, 120, 150

LiftPower™ ordering code
is composed as follows:

LIFTP-75-STEEL

LIFT - LiftPower™
75 - Belt width (mm)
STEEL - Steel cord

Dimensions in bold are available from stock.