

New double-sided synchronous belt with doubled power capacity

Twin Power® GT2

Due to the unique tooth design and improved materials Gates' Twin Power® synchronous belts provide high loading capacity on contrarotating drives and ensure smooth running and high flexibility. Gates has now developed a Twin Power® double-sided belt with the unique GT2 tooth profile. This Twin Power® GT2 belt outperforms all previous Twin Power® constructions having twice the power rating of Twin Power® HTD® belts. Twin Power® GT2 is characterised by extraordinary load-carrying power and high tooth jump resistance, thus ensuring a positive non-slip drive. In addition, it runs at very low noise.

Because of its high power capacity, the Twin Power® GT2 belt also permits design of more compact and cost effective drives.

A Twin Power® GT2 double-sided belt can transmit 100% of its maximum rated load from either side of the belt; alternatively, it can transmit a load on both sides provided the sum of the loads does not exceed the maximum capacity. The new Twin Power® GT2 synchronous belt is available in 8MGT and 14MGT pitches.



The unique Twin Power® GT2 construction

- Precision-formed and accurately spaced elastomeric teeth for correct positioning.
- Helically wound tensile member for high strength, excellent flex life and resistance to elongation.
- Tough nylon fabric on both tooth sides for protection against frictional wear and pollution.

Twin Power® GT2: a top-performing belt for contrarotating drives



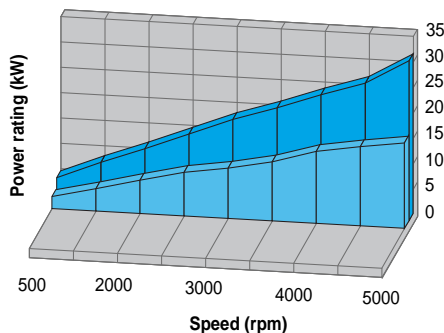
Twin Power® GT2: The performance choice

The PowerGrip® GT2 tooth profile and the construction of the Twin Power® GT2 belt provide substantial performance improvement compared with the former HTD® construction. The diagrams below illustrate the increase in power capacity and tooth jump resistance and the significant noise reduction offered by the Twin Power® GT2 belt.

Power rating

Similar pulley diameters

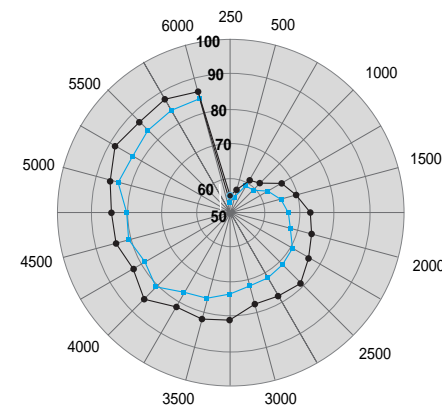
- 8MGT Twin Power® GT2
- 8M Twin Power® HTD®



Noise

Overall noise dB(A)
Speed (rpm)

- 8MGT Twin Power® GT2
- 8M Twin Power® HTD®

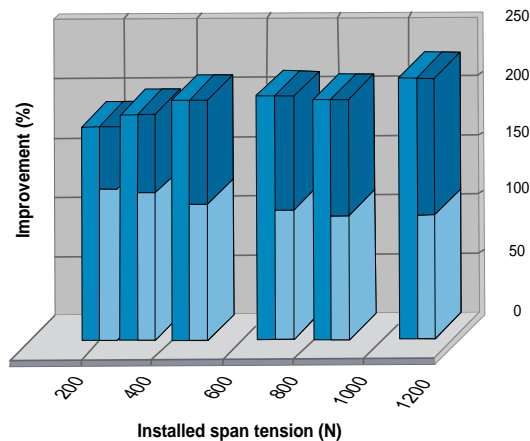


Tooth jump resistance

Improvements over Twin Power® HTD® 8M pitch

Similar pulley diameters

- 8MGT Twin Power® GT2
- 8M Twin Power® HTD®
- Improvement



Gates' Twin Power® synchronous belt is also available in XL, L and H pitches. Please consult Gates industrial belt catalogue (E2/20054) or visit our website at www.gates.com/europe for more information.

Your Distributor:



Drive the technology

Sizes

TP GT2 8MGT		Pitch: 8 mm	
Length and pitch designation	Pitch length mm ISO	Number of teeth	
TP GT2 480 8MGT*	480	60	
TP GT2 560 8MGT*	560	70	
TP GT2 600 8MGT*	600	75	
TP GT2 640 8MGT*	640	80	
TP GT2 720 8MGT*	720	90	
TP GT2 800 8MGT*	800	100	
TP GT2 880 8MGT*	880	110	
TP GT2 960 8MGT*	960	120	
TP GT2 1040 8MGT*	1040	130	
TP GT2 1120 8MGT**	1120	140	
TP GT2 1200 8MGT**	1200	150	
TP GT2 1280 8MGT**	1280	160	
TP GT2 1440 8MGT**	1440	180	
TP GT2 1600 8MGT**	1600	200	
TP GT2 1760 8MGT**	1760	220	
TP GT2 1800 8MGT**	1800	225	
TP GT2 2000 8MGT**	2000	250	
TP GT2 2400 8MGT**	2400	300	
TP GT2 2600 8MGT**	2600	325	
TP GT2 2800 8MGT**	2800	350	
TP GT2 3048 8MGT**	3048	381	
TP GT2 3280 8MGT**	3280	410	
TP GT2 3600 8MGT**	3600	450	
TP GT2 4400 8MGT**	4400	550	
TP GT2 4960 8MGT***	4960	620	

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

* Also available in slabs of 100 mm width

** Also available in slabs of 330 mm width

*** Also available in slabs of 150 mm width

TP GT2 14MGT		Pitch: 14 mm	
Length and pitch designation	Pitch length mm ISO	Number of teeth	
TP GT2 1610 14MGT	1610	115	
TP GT2 1778 14MGT	1778	127	
TP GT2 1890 14MGT	1890	135	
TP GT2 2100 14MGT	2100	150	
TP GT2 2310 14MGT	2310	165	
TP GT2 2450 14MGT	2450	175	
TP GT2 2590 14MGT	2590	185	
TP GT2 2800 14MGT	2800	200	
TP GT2 3150 14MGT	3150	225	
TP GT2 3360 14MGT	3360	240	
TP GT2 3500 14MGT	3500	250	
TP GT2 3850 14MGT	3850	275	
TP GT2 4326 14MGT	4326	309	
TP GT2 4578 14MGT	4578	327	
TP GT2 4956 14MGT	4956	354	
TP GT2 5320 14MGT	5320	380	
TP GT2 5740 14MGT	5740	410	
TP GT2 6160 14MGT	6160	440	
TP GT2 6860 14MGT	6860	490	

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

Twin Power® GT2 ordering code

Example: TP GT2 480 8MGT 20

- TP GT2 - Twin Power® GT2
- 480 - pitch length 480 mm
- 8MGT - pitch 8 mm
- 20 - belt width (mm)