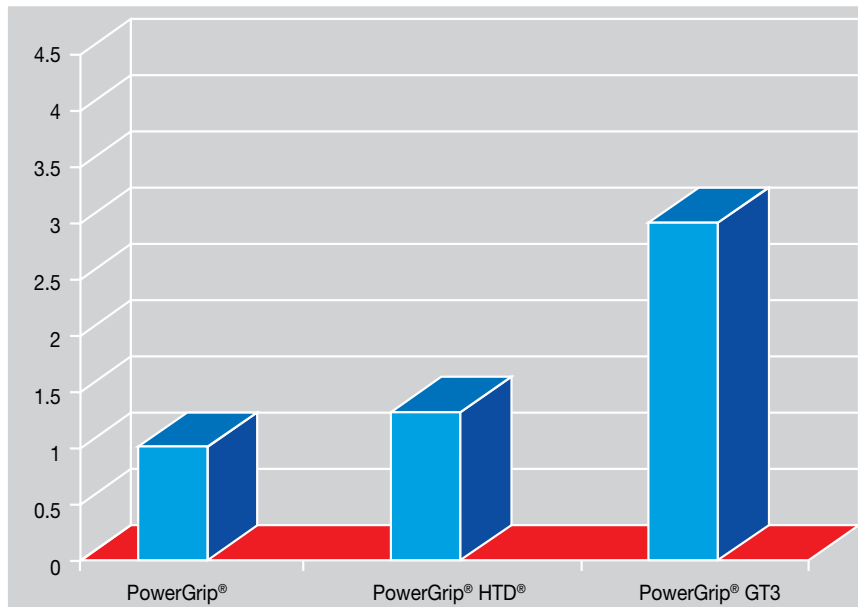


1 POWERGRIP® GT3 DESIGN FEATURES

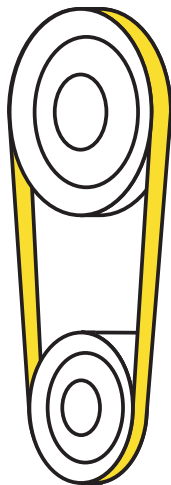
Continuous innovative product design enables Gates to answer industry's increasing power drive requirements.

POWER RATING COMPARISON POWERGRIP®, POWERGRIP® HTD® AND POWERGRIP® GT3

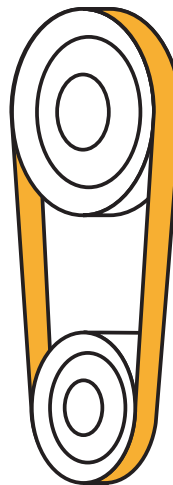


DRIVE PACKAGE COMPARISON

PowerGrip® GT3
1200-8MGT-20



PowerGrip® HTD®
1200-8M-50



Driven
56 grooves

Driver
38 grooves

Drive condition

Driver: - 7.5 kW motor
- 1460 rpm

Driven: - pump
- speed ratio of approx. 1.5:1
- service factor 1.7

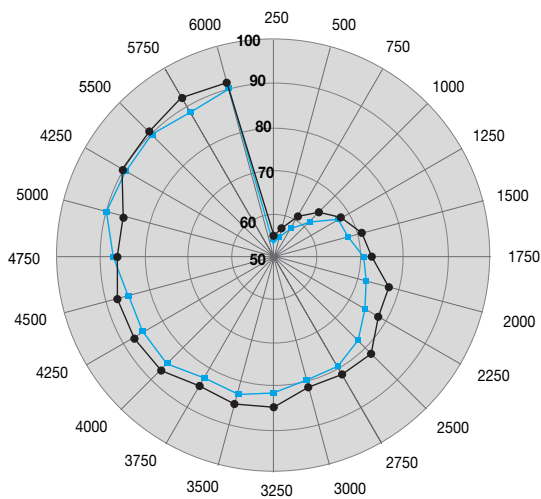
POWERGRIP® GT3 DESIGN FEATURES

The precise GT tooth form coupled with the new construction provides substantial performance improvement compared with former constructions. Thanks to this special tooth shape PowerGrip® GT3 belts provide significant noise reduction, high tooth jump resistance and positioning accuracy. The following charts highlight these improvements.

NOISE

Noise value comparison Gates PowerGrip® GT3 versus competitor's premium low noise belt

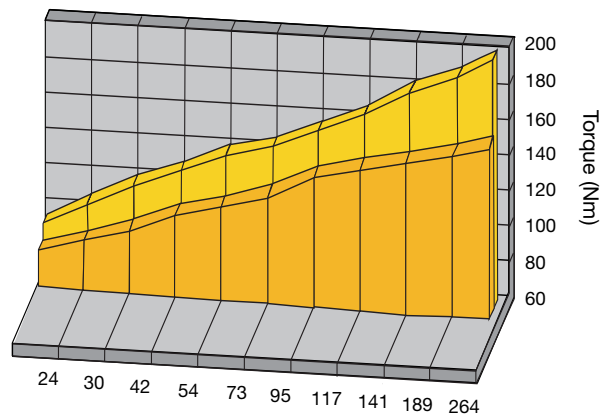
- PowerGrip® GT3
 - Competitor's premium low noise belt
- Test pulleys:** 28 groove 8M
Overall noise: 50 to 100 dB(A)
Test speed: 250 to 6000 rpm



Test method:
microphone placed 60 mm from centre of mid span.

TOOTH JUMP RESISTANCE

Improvements over PowerGrip® 8M
Similar diameter pulleys



- 8MGT PowerGrip® GT3
- 8M PowerGrip® HTD®

POSITIONING ACCURACY

Application	Motion transfer
Belt	90 teeth
Width	9 mm
Pulleys	20/20 grooves
Speed	330 rpm
Static tension	14 N
Motor	200 steps/cycle

