



**G-FORCE™**



# CVT BELTS BUILT FOR THE TOUGHEST TRAILS



# G-FORCE™ PRODUCT LINES



Gates G-Force is an entire family of superior CVT belts engineered for the most demanding conditions – providing an OE-Perfect Fit with matching shift curves & pulley speed ratios.

G-Force drive belts are made in the USA, field-tested, and trusted within the toughest conditions to bring durability, simplicity, performance, and value to your off-road adventures.

## **G-Force RedLine™**

Developed from the most advanced materials, extensively lab and field-tested, Gates G-Force RedLine CVT belts are engineered to handle the wildest rides required for the dunes, deserts, mountains, and race-day.

Built to withstand extreme friction, severe compressive force, and excessive heat created from high-acceleration, frequent back-shifting, and heavy loads.

- Delivers 75% greater dynamic axial stiffness on average, up to 50% lower speed losses and better recovery from temperatures up to 338°F (170°C) without power loss.
- Best within extreme off-road environments: better acceleration, higher top speed, less speed ratio & energy loss
- Greater heat resistance & recovery – even under severe duty cycles
- Extremely fatigue resistant
- Improved durability, crack & wear-resistance

## **G-Force WorkHorse™**

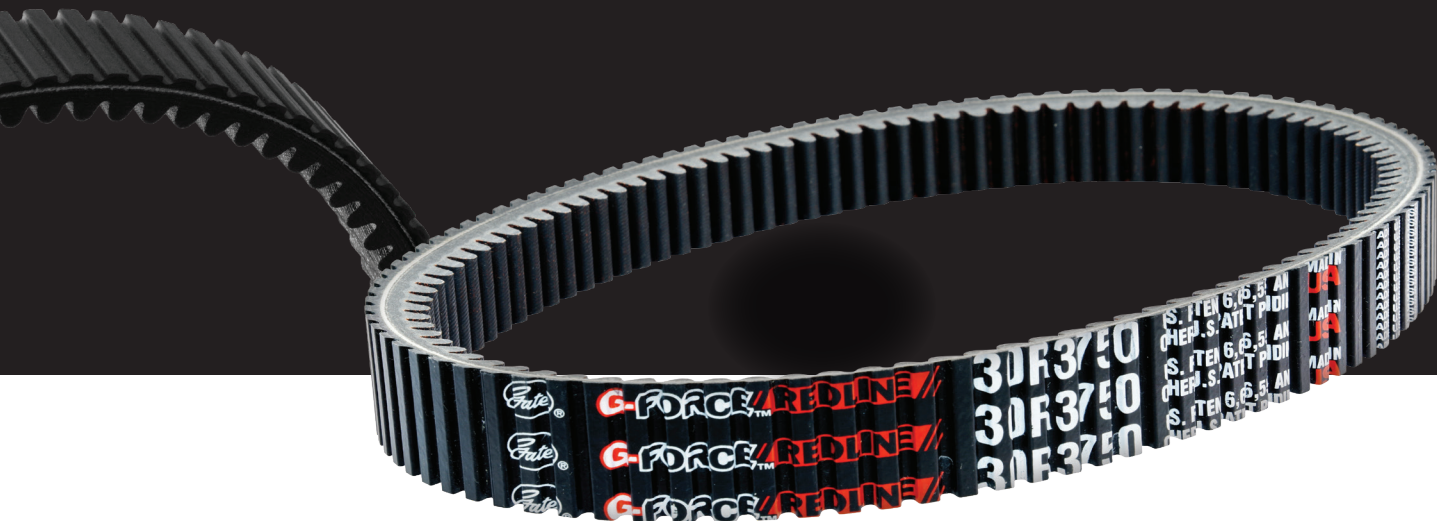
Our newest Gates G-Force WorkHorse CVT belt, is engineered to handle the toughest tasks and trails.

- Up to 2x the life of the G-Force Belt
- 45% increased heat tolerance
- Power for hauling heavy loads across aggressive terrain
- Improved durability, crack & wear-resistance



# EXTENSIVELY LAB AND FIELD-TESTED





# WHAT'S THE RIGHT CVT BELT FOR ME?

## UTV/ATV/SNOWMOBILE VEHICLE TYPE

Low-range engine size,  
stock vehicle (≈150-399cc)

Mid-range engine size,  
stock vehicle (≈400-799cc)

High-range engine size,  
stock vehicle (≈800-1100cc)

Extremely high-range engine size,  
stock vehicle (up to 1300cc)

Extensive aftermarket vehicle/engine  
modifications/turbo-charging

### G-FORCE WORKHORSE™ CVT BELT

### G-FORCE REDLINE™ CVT BELT

G-Force RedLine was specifically designed for  
these newer vehicles and turbo options





# SUPPORT MATERIAL

## ELIMINATE BELT FAILURES, INCREASE BELT LIFE & PERFORMANCE

### Proper Clutching -#1 Cause of Failures

- Verify clutches are properly tuned for vehicle modifications to include, added weight-(cage, accessories, storage boxes), increased tire size/style-(Paddles, Mud Tread)/weight, terrain, and riding style. Any increases in overall weight of vehicle and Tire size beyond original manufactured design will need to be re-clutched.

### Proper Belt Break In

- Always perform proper new belt break-in procedure after installation to seat the belt, allowing extra time when performing heat cycles in very cold conditions.

### Proper Belt Handling

- Never back-bend or crimp a CVT belt; never turn a CVT belt inside out; do not pry on belt during installation. Always store in its original shape.

### Clutch System Inspection and Maintenance

- Inspect primary and secondary clutches for any defects and ensure proper alignment; always prep clutches prior to belt installation and follow proper belt break-in procedure.
- Verify clutch sheaves and belt are clean and free of contaminants; examine rollers, helix and bushings for signs or wear and replace if necessary.
- Always drive in appropriate gear range for terrain and conditions.



**DO NOT  
BACKBEND**



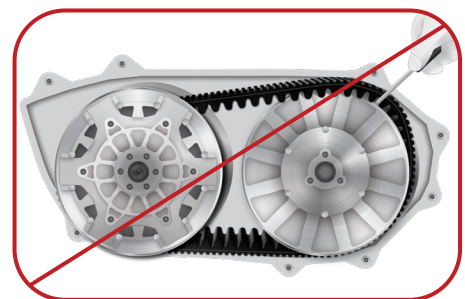
**DO NOT  
CRIMP**



**DO NOT  
FLATTEN BELT**



**DO NOT  
INVERT**



**DO NOT PRY ON**



### IMPORTANT Clutch Tuning

Seek professional help in most cases due to special tools required when working on clutches.

We recommend the customer contact a clutch kit specialty manufacturer or take the vehicle to a power sports shop that does clutch tuning.



# SUPPORT MATERIAL

WARRANTY FORM



GATES G-FORCE WORKHORSE VIDEO



BELT INSTALLATION VIDEO



BREAK IT IN TECH TIP



GATES G-FORCE REDLINE VIDEO



BELT STORAGE AND HANDLING VIDEO



BELT FAILURE ANALYSIS



DON'T BREAK IT,  
BREAK IT IN  
VIDEO



NAVIGATES



BROCHURE

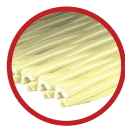


CLEAN THE CLUTCHES VIDEO





**DRIVEN BY POSSIBILITY™**

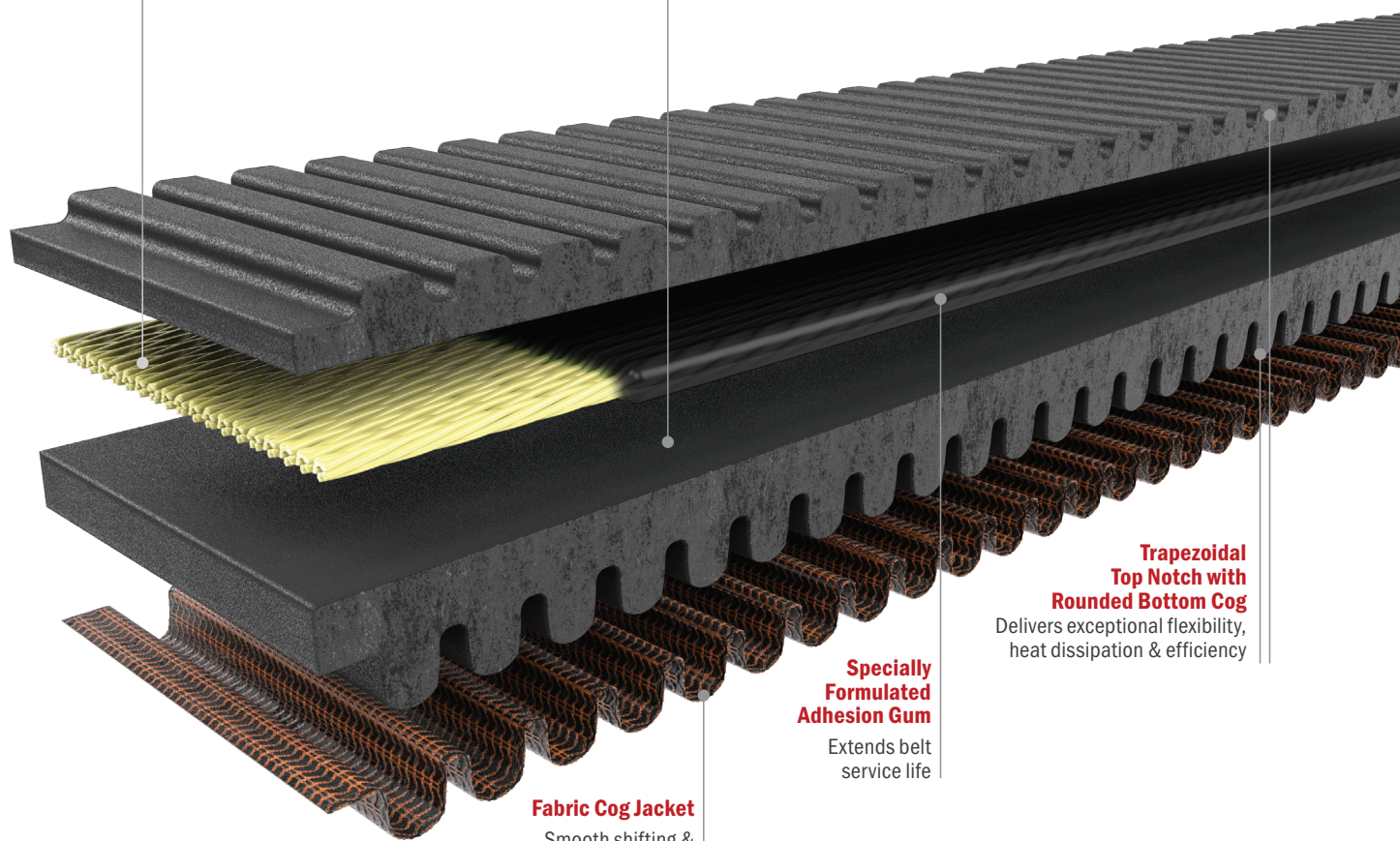


**High Tensile Aramid Cord**

Maximizes acceleration, shock load resistance, and extreme fatigue resistance  
**G-FORCE REDLINE™ & G-FORCE WORKHORSE™**

**Aramid Fiber-Loaded Ethylene Elastomer**

Maximum stiffness & heat resistance for higher loads, higher peak torque, less heat fade, and less speed loss  
**G-FORCE REDLINE™ & G-FORCE WORKHORSE™**



**Trapezoidal Top Notch with Rounded Bottom Cog**  
Delivers exceptional flexibility, heat dissipation & efficiency

**Specially Formulated Adhesion Gum**

Extends belt service life

**Fabric Cog Jacket**

Smooth shifting & higher abrasion resistance  
**G-FORCE REDLINE™**

**NEW BELT BREAK IN PROCESS:**

Properly break in your new G-Force belt and prevent premature failure.

**[GATES.COM/BREAKITIN](https://www.gates.com/breakitin)**

Visit **Navigates.Gates.com** to find the right G-Force belt for your vehicle.



**DON'T BREAK IT  
BREAK IT IN**