



DRIVEN BY POSSIBILITY™

SUPER HC™ MN AND TRI-POWER™ BELTS

THE PERFECT V-BELTS FOR YOUR IMPERFECT CONDITIONS

The combination of a wide range of jobs, ever-evolving technology, and numerous emerging applications can make choosing the right industrial belt drive seem complicated. Luckily, no matter what is ahead, Gates is there with quality V-belt solutions like Super HC Molded Notch (MN) and Tri-Power.

These two popular families of cost-effective, high-load carrying, and flexible V-belts are made of high-performance Ethylene Elastomer (EE) materials to excel from beverage bottling plants to mixing and grinding facilities.



SUPER HC MN:

NARROW CROSS-SECTION



TRI-POWER:

CLASSICAL CROSS-SECTION



15%*

INCREASED CAPACITY

25%*

DECREASE IN RECOMMENDED MINIMUM PULLEY DIAMETER ACROSS PRODUCT FAMILIES

EXCELLENT PERFORMANCE-TO-COST RATIO

FEATURES AND BENEFITS

- Wider temperature range than previous generation V-belts due to EE materials: -60°F to +250°F (-51°C to +121°C)
- High performance, synthetic rubber compounds resist wear increasing belt life
- Belt edge machined for even sheave groove contact, resulting in smoother running, less slip and wear
- Good resistance to occasional exposure to oil and chemicals
- Meets ARPM IP-3-3 and ISO 1813 static-conductivity standards
- REACH compliant
- Suitable for RoHS required applications

*On average vs wrapped/banded belts. Figures vary based on size.

PRODUCT ATTRIBUTES

SUPER HC MN: MORE POWER IN A SMALLER SPACE	TRI-POWER: TRIED AND TRUE REPLACEMENT OPTION
Raw edge, molded notch	Raw edge, molded notch
NARROW cross-section	CLASSICAL cross-section
Reduces space by allowing for more compact drive designs	The go-to belt for classical section sheaves
RECOMMENDED FOR: Industrial heavy-duty, narrow section V-belt drives where space, weight, and horsepower capacity are critical. Ideal when designing new drives or replacing sheaves on existing drives.	RECOMMENDED FOR: Industrial applications where small sheave diameters are required. Ideal for applications where sheave replacement is not a possibility or like-for like replacement is preferred.

AVAILABLE CROSS SECTIONS

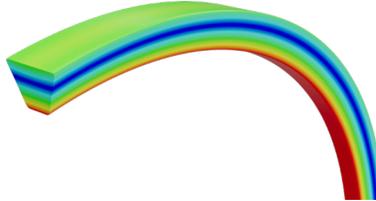
SECTION	WIDTH (W) in (mm)	HEIGHT (H) in (mm)		SECTION	WIDTH (W) in (mm)	HEIGHT (H) in (mm)	
3VX/XPZ	.375 (10)	.328 (8)	SINGLE STRAND  POWERBAND	AX	.5 (13)	.313 (8)	SINGLE STRAND  POWERBAND
XPA	.512 (13)	.394 (10)		BX	.656 (17)	.406 (10)	
5VX/XPB	.625 (16)	.563 (13)		CX	.875 (22)	.531 (13)	
8VX	1 (25)	.828 (21)					

GATES BANDLESS ADVANTAGE

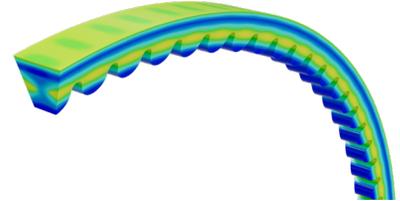
BENDING STRESS COMPARISON

When space is at a premium, drives are often designed with small pulleys. Notched belts excel by reducing the bending stress and heat generation while extending belt life.

Not all notches are created equal, it requires a balance between flexibility and stress distribution. Meeting one of these is easy, meeting both presents quite a challenge.



Using Finite Element Analysis (FEA), the increased bending stresses are clearly visible on a belt without notches.



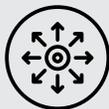
Molding notches into the belt helps reduce and spread out these stresses.



SUPER HC MN AND TRI-POWER CAN ENHANCE THE PERFORMANCE OF YOUR OPERATION IN **NUMEROUS MARKETS:**



AGRICULTURE



DIVERSIFIED INDUSTRIAL



FOOD AND BEVERAGE



MATERIAL HANDLING



PULP AND PAPER



WATER TREATMENT



NEED HELP DECIDING WHICH BELT IS BEST FOR YOUR APPLICATION? USE **DESIGN POWER**