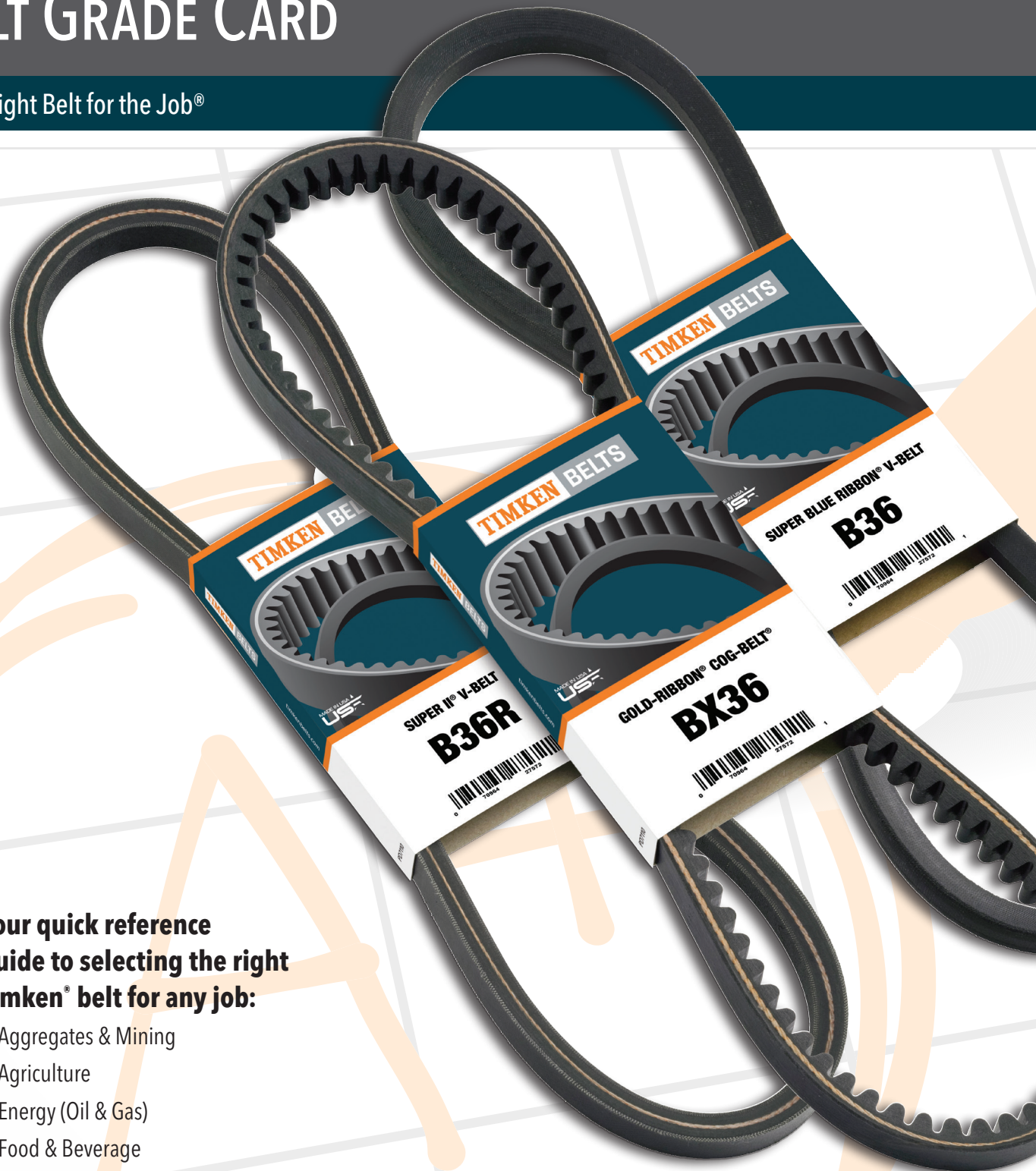


# BELT GRADE CARD













The Right Belt for the Job®


**Your quick reference  
guide to selecting the right  
Timken® belt for any job:**

- Aggregates & Mining
- Agriculture
- Energy (Oil & Gas)
- Food & Beverage
- Forest Product Machinery
- HVACR
- Industrial Equipment
- Outdoor Power Equipment


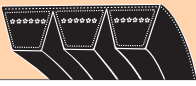

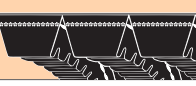
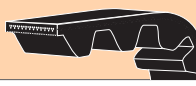
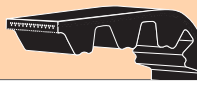
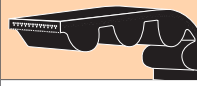






# BELT GRADE CARD – The Right Belt for the Job®

DRIVE PARAMETER OR CONDITION	V-BELTS					
	Super Power-Wedge®	Power-Wedge® Cog-Belt®	Super Blue Ribbon®	Gold-Ribbon® Cog-Belt®	Durapower® II	Super II®
(For more precise information, utilize our DriveEngineer.com mobile web app or contact a Timken Belts specialist.)  						
	Enables design of a more compact belt drive. Ideal for heavy duty industrial drives with shock loads.	Narrow wedge, raw edge belt provides maximum operating efficiency in a compact drive package.	Wrapped molded v-belts built to the highest standards in the industry. The workhorse of classical v-belts.	The Energy Saver! Reduce downtime and save energy with the benchmark for classical v-belt performance.	Raw edge construction improves efficiency, performance and belt life when compared to wrapped belts.	The Timken Belts solution to the constant and costly problem of replacing ordinary v-belts on troublesome drives.
Available Cross Sections	3V, 5V, 8V	3VX, 5VX, 8VX	A, B, C, D, E	AX, BX, CX, DX	2L-R, 3L-R, 4L-R, 5L-R	A-R, B-R, C-R
General Ratings	EPDM		EPDM		EPDM	EPDM
Normal HP Limit	1000	1000	500	500	500	500
Normal Ambient Temp. Range (°F) Min	-35°	-50°	-35°	-50°	-50°	-50°
Normal Ambient Temp. Range (°F) Max	130°	250°	120°	250°	250°	250°
Maximum Belt Speed (feet/minute)	6500	6500	6500	6500	6500	6500
Space Limitations						
Minimum Face Width	★ ★ ★	★ ★ ★	★	★ ★ ★	★	★
Extremely Long Centers	★ ★	★	★ ★	★	★	★ ★
Extremely Short Centers	★ ★	★ ★ ★	★	★ ★ ★	★ ★ ★	★ ★ ★
Small Sheave Diameters	★	★ ★	★	★ ★ ★	★ ★ ★	★ ★
Overall Compactness	★ ★	★ ★ ★	★	★ ★ ★	★ ★	★ ★
Light Weight Drive	★ ★	★ ★ ★	★	★ ★	★ ★	★ ★
Design Factors						
Backside Idler	★	N/A	★ ★	★	★ ★ ★	★ ★ ★
Energy Efficiency	★ ★	★ ★ ★	★ ★	★ ★ ★	★ ★	★ ★
High Speed Ratio	★ ★	★ ★ ★	★	★ ★ ★	★ ★	★ ★
Minimum Slip	★	★ ★ ★	★	★ ★ ★	★	★ ★
Machine Induced Pulsation	★ ★	★ ★	★ ★ ★	★ ★	★ ★	★ ★ ★
Shock Loads	★ ★ ★	★ ★	★ ★	★	★ ★	★ ★ ★
Small Arc of Contact	★	★ ★ ★	★	★ ★ ★	★ ★	★ ★
Speed-Up Drive	★ ★	★ ★ ★	★ ★	★ ★ ★	★ ★	★ ★
Environmental Conditions						
Chemicals, Ozone (3)	★ ★	★ ★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★
Dust, Abrasives	★ ★	★ ★	★	★ ★ ★	★ ★	★ ★
Excessive Heat	★ ★	★ ★ ★	★	★ ★ ★	★ ★ ★	★ ★ ★
Excessive Moisture	★ ★	★ ★ ★	★	★ ★ ★	★ ★ ★	★ ★ ★
Inaccessible for Maintenance	★	★ ★ ★	★	★ ★ ★	★	★ ★
Lengths Manufactured to ARPM Industry Standard for Matching					No	
Meets ARPM Standard for Static Conductivity (IP-3-3)	Yes	Yes	Yes	Yes	Yes	Yes

Legend: ★ ★ ★ = Excellent   ★ ★ = Satisfactory   ★ = Use only if necessary to meet other conditions    = Manufactured to Chek Mate® matching tolerances

## BELT TYPE AND RATING

BANDED BELTS				SYNCHRONOUS BELTS		
Super Power-Wedge® Band	Super Blue Ribbon® Band	Power-Wedge® Cog-Band®	Gold-Ribbon® Cog-Band®	Panther® XT	Panther®	Synchro-Cog® HT
						
Banded version of Super Power-Wedge v-belt. Belt whip and turnover are minimized.	Banded version of Super Blue Ribbon v-belt. Belt whip and turnover are minimized.	Banded version of Power-Wedge Cog-Belt. Belt whip and turnover are minimized.	Combines the superior characteristics of the Gold-Ribbon Cog-Belt with the stability of a banded belt, minimizing belt whip and turnover.	Alternative to chain or drop-in replacement for polyurethane belts. Formulated for enhanced strength, performance and torque capacity.	Designed to improve performance and drive life while reducing maintenance and downtime. Higher torque capacity than Synchro-Cog HT.	Delivers trouble-free power transmission with a smooth, quiet and efficient drive system.
R3V, R5V, R8V	RB, RC, RD	R3VX, R5VX	RBX, RCX	8M, 14M	8M, 14M, 20M	3M, 5M, 8M, 14M
EPDM		EPDM				
1000	500	1000	500	1000	750	500
-35°	-35°	-35°	-35°	-40°	-35°	-35°
130°	120°	130°	130°	248°	150°	150°
6500	6500	6500	6500	6500	6500	6500
★ ★ ★	★	★ ★ ★	★ ★	★ ★ ★	★ ★	★
★ ★	★ ★ ★	★ ★	★ ★ ★	★ ★	★ ★	★ ★
★ ★	★	★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★	★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★ ★	★	★ ★ ★	★ ★	★
★ ★ ★	★	★ ★ ★	★ ★	★ ★ ★	★ ★	★
N/A	★ ★	★	★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★ ★	★ ★ ★	★ ★	★ ★	★	★	★
★ ★ ★	★ ★	★ ★	★	★	★	★
★	★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★ ★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★ ★	★ ★ ★	★ ★	★ ★	★ ★
★ ★	★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★
★ ★	★	★ ★ ★	★ ★ ★	★	★	★
				N/A	N/A	N/A
Yes	Yes	Yes	Yes	No	No	No

# The Right Belt for the Job®

You can depend on Timken® belts for a wide range of applications. We've got you covered with the right belt for most any job. Timken Belts manufactures belts in the USA from 3" to 900" for anything and everything – fans, mixers, pumps, conveyors, machine tools, centrifuges, robotics, and all types of industrial machines.

Timken belts are purpose-built and designed for optimal performance in the most demanding applications:

- Aggregates & Mining
- Agriculture
- Energy (Oil & Gas)
- Food & Beverage
- Forest Product Machinery
- HVACR
- Industrial Equipment
- Outdoor Power Equipment

The world's leading manufacturers specify Timken belts to keep their equipment running.



## Chek Mate® V-Belt Matching

Chek Mate® v-belt matching system is a manufacturing process that holds v-belt lengths within ARPM (Association for Rubber Products Manufacturers) tolerances for a matched set. Matching numbers are not required on these Timken v-belts which carry the distinctive Chek Mate logo: Super Blue Ribbon®, Super II®, Super Power-Wedge®, Power-Wedge® Cog-Belt® and Gold-Ribbon® Cog-Belt®.

**TIMKEN BELTS**

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

[www.TimkenBelts.com](http://www.TimkenBelts.com)