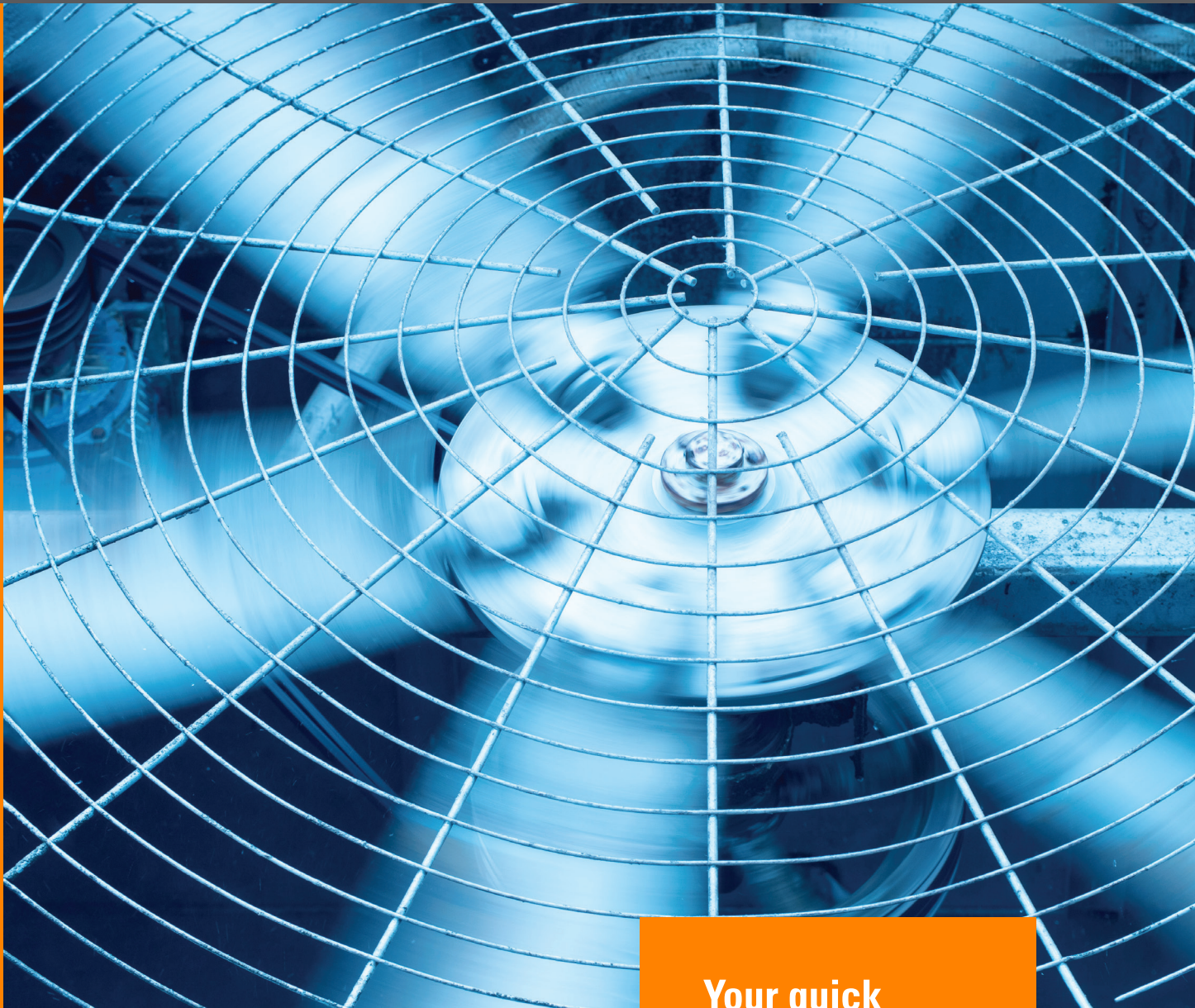


Timken® V-Belts for HVAC Applications



Your quick
reference guide
to selecting the
right Timken®
HVAC v-belt

Classical V-Belts

Super Blue Ribbon® (A, B, C)

| Super II® (A-R, B-R, C-R)

| Gold-Ribbon® Cog-Belt® (AX, BX, CX)





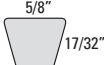

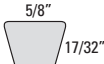

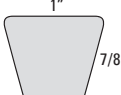

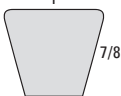



Cross Section	Timken Cross Section	Cross Section Dimensions	Belt Cutaway	Market Position	Energy Efficiency	Belt Type	Timken Brand (PN Example)	Timken Belt Description
A	A	1/2" 11/32"		★ Good	93%	Wrapped Molded	Super Blue Ribbon® (A85)	Premium wrapped molded v-belt built to the highest standards in the industry. Ideal for drives with shock loads.
	A-R	1/2" 11/32"		★★ Better	94%	Raw Edge Laminated	Super II® (A85R)	The problem solver! Raw edge EPDM construction with our special CNA cord placement creates a flexible, stable and efficient v-belt.
	AX	1/2" 11/32"		★★★ Best	95%	Raw Edge Cogged	Gold-Ribbon® Cog-Belt® (AX85)	Raw edge cogged v-belt made of EPDM provides longer belt life, higher efficiency and greater horsepower ratings than wrapped v-belts.
B	B	21/32" 7/16"		★ Good	93%	Wrapped Molded	Super Blue Ribbon® (B85)	Premium wrapped molded v-belt built to the highest standards in the industry. Ideal for drives with shock loads.
	B-R	21/32" 7/16"		★★ Better	94%	Raw Edge Laminated	Super II® (B85R)	The problem solver! Raw edge EPDM construction with our special CNA cord placement creates a flexible, stable and efficient v-belt.
	BX	21/32" 7/16"		★★★ Best	95%	Raw Edge Cogged	Gold-Ribbon® Cog-Belt® (BX85)	Raw edge cogged v-belt made of EPDM provides longer belt life, higher efficiency and greater horsepower ratings than wrapped v-belts.
C	C	7/8" 9/16"		★ Good	93%	Wrapped Molded	Super Blue Ribbon® (C85)	Premium wrapped molded v-belt built to the highest standards in the industry. Ideal for drives with shock loads.
	C-R	7/8" 9/16"		★★ Better	94%	Raw Edge Laminated	Super II® (C85R)	The problem solver! Raw edge EPDM construction with our special CNA cord placement creates a flexible, stable and efficient v-belt.
	CX	7/8" 9/16"		★★★ Best	95%	Raw Edge Cogged	Gold-Ribbon® Cog-Belt® (CX85)	Raw edge cogged v-belt made of EPDM provides longer belt life, higher efficiency and greater horsepower ratings than wrapped v-belts.

Wedge (Narrow) V-Belts

Super Power-Wedge® (3V, 5V, 8V) | Power-Wedge® Cog-Belt® (3VX, 5VX, 8VX)



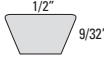

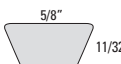



Cross Section	Timken Cross Section	Cross Section Dimensions	Belt Cutaway	Market Position	Energy Efficiency	Belt Type	Timken Brand (PN Example)	Timken Belt Description
3V	3V			★ Good	93%	Wrapped Molded	Super Power-Wedge® (3V850)	Our wrapped cover provides superior wear resistance. The narrow cross section enables the design of a more compact drive.
	3VX			★★★ Best	95%	Raw Edge Cogged	Power-Wedge® Cog-Belt® (3VX850)	Combines the advantages of the narrow cross section with EPDM and raw edge performance for operating efficiency in a compact drive package.
5V	5V			★ Good	93%	Wrapped Molded	Super Power-Wedge® (5V850)	Our wrapped cover provides superior wear resistance. The narrow cross section enables the design of a more compact drive.
	5VX			★★★ Best	95%	Raw Edge Cogged	Power-Wedge® Cog-Belt® (5VX850)	Combines the advantages of the narrow cross section with EPDM and raw edge performance for operating efficiency in a compact drive package.
8V	8V			★ Good	93%	Wrapped Molded	Super Power-Wedge® (8V1000)	Our wrapped cover provides superior wear resistance. The narrow cross section enables the design of a more compact drive.
	8VX			★★★ Best	95%	Raw Edge Cogged	Power-Wedge® Cog-Belt® (8VX1000)	Combines the advantages of the narrow cross section with EPDM and raw edge performance for operating efficiency in a compact drive package.

Fractional Horsepower (FHP) V-Belts

Durapower® II (3L-R, 4L-R, 5L-R)



Cross Section	Timken Cross Section	Cross Section Dimensions	Belt Cutaway	Market Position	Energy Efficiency	Belt Type	Timken Brand (PN Example)	Timken Belt Description
3L	3L-R			★★★ Best	94%	Raw Edge Laminated	Durapower® II (3L400R)	Raw edge, EPDM and CNA construction provide a durable, flexible and efficient fhp v-belt.
4L	4L-R			★★★ Best	94%	Raw Edge Laminated	Durapower® II (4L400R)	Raw edge, EPDM and CNA construction provide a durable, flexible and efficient fhp v-belt.
5L	5L-R			★★★ Best	94%	Raw Edge Laminated	Durapower® II (5L400R)	Raw edge, EPDM and CNA construction provide a durable, flexible and efficient fhp v-belt.

Timken Belts Nomenclature

Cross Section	Timken Brand	Part # Example	Timken Part Number Explanation
Heavy Duty Belts			
A-R, B-R, C-R	Super II® V-Belt	B85R	B = cross section, 85 = inside circumference in inches, R = raw edge construction
A, B, C	Super Blue Ribbon® V-Belt	B85	B = cross section, 85 = inside circumference in inches
AX, BX, CX	Gold-Ribbon® Cog-Belt®	BX85	B = cross section, X = cogged construction, 85 = inside circumference in inches
3V, 5V, 8V	Super Power-Wedge® V-Belt	5V850	5V = cross section, 850 = effective length in tenths of an inch
3VX, 5VX, 8VX	Power Wedge® Cog-Belt® V-Belt	5VX850	5V = cross section, X = cogged construction, 850 = effective length in tenths of an inch
Light Duty Belts			
2L-R, 3L-R, 4L-R, 5L-R	Durapower® II FHP V-Belt	4L400R	4L = cross section, 400 = outside length in tenths of inch, R = raw edge construction
Specialty Belts			
3L, A, B, C	PowerTwist® Drive	BTwist	B = cross section, Twist = PowerTwist Drive link belting

Tools and Terminology

Belt-Finder

A belt measuring device that helps easily find the correct replacement belt. Part# 93859



CNA

Unique CNA (central neutral axis) cord placement positions the strength of the belt lower on the sheaves to maintain stability and flexibility.



Cog-Belt

Referred to as cogged or notched belts. Precision molded cogs improve belt flex and reduce bending stress.



Chek Mate®

Manufacturing process to meet or exceed the Association for Rubber Products Manufacturers (ARPM) tolerances for a matched set. Super Blue Ribbon, Super II, Super Power-Wedge, Power-Wedge Cog-Belt and Gold Ribbon Cog-Belt all carry the distinctive Chek Mate logo.



Drive Engineer®

The Drive Engineer web app delivers robust belt drive design and analysis to your desktop or mobile device.



EPDM

Ethylene Propylene Diene Monomer (EPDM) is a synthetic rubber that is durable and resistant to oil, heat, hardening and glazing. EPDM has superior flex and load carrying capacity with a broad operating temperature range of -50°F to +250°F.



Frequency-Finder

Belt tensioning tool. The Frequency-Finder is an electronic instrument that precisely measures the frequency used to calculate the static tension in belts. Part# 109061



Laser-Align

Laser-Align is a tool for fast and accurate alignment of belt drive pulleys. Part# 109083



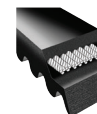
PowerMiser™

PowerMiser™ is a free web app that calculates estimated annual energy savings that can be realized by upgrading to energy efficient Timken belts.



Raw Edge

Raw edge belts are cured and then cut into a V shape. The gripping power of raw edge sidewalls provide higher energy efficiency and reduce vibration for extended component life.



Sheave Gauges

Gauges to check sheave wear. Sheave condition and alignment are vital to v-belt life and performance. Part# 102495



Tension-Finder®

A quick, easy and accurate tool for tensioning v-belts. The Tension-Finder is designed for use with Timken belts. Do not use on belts with aramid, glass or carbon fiber cord. Part # 108039-A



Tensiometer

Single stem spring loaded tensioning device. The force required to deflect a span length by a given amount is related to the tension in the belt. The tensiometer measures that deflection. Part #102761



PowerTwist Drive®

PowerTwist Drive link belting is a perfect candidate for drives that have no take-up adjustment capability or for use as an emergency replacement belt. PowerTwist Drive can be made to the required length by hand and rolled onto the drive just like a bicycle chain. Part # 3LTWist, ATWist, BTWist, CTWist



Wrapped Molded

Wrapped molded belts have a fabric cover. During manufacturing the belt is molded into a V shape.



TIMKEN BELTS

Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and industrial motion 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