

Static Conductive Belts

Under certain conditions of temperature and humidity, a belt drive may generate static electricity. Belts intended for operation in a potentially dangerous atmosphere should be constructed with a relatively low electrical resistance characteristic. It has become common practice to specify and refer to such belts as “static conductive,” “static dissipating,” or “anti-static.”

The accumulation of electro-static charges can be dangerous for different reasons:

- Generation of radio interference that can cause disturbance to electrical apparatus
- Risk of ignition and explosion in an atmosphere with high levels of combustible materials
- Risk of injury to workers in contact with the components

V-Belt Drives

Timken belts that are static conductive are shown on the chart. Timken belts are branded as “static dissipating” when they meet or exceed testing developed by the Association for Rubber Products Manufacturers (ARPM Bulletin IP3-3).

Synchronous Belt Drives

Timken synchronous belts are not static dissipating.

Timken® Belts	Cross Section	Static Dissipating
Wedge V-Belts		
Power-Wedge® Cog-Belt®	3VX, 5VX, 8VX	Yes
Power-Wedge® Cog-Band®	R3VX, R5VX	Yes
Metric Power-Wedge® Cog-Belt®	XPZ, XPA, XPB, XPC	Yes
Super Power-Wedge® V-Belt	3V, 5V, 8V	Yes
Super Power-Wedge® Band	R3V, R5V, R8V	Yes
Metric Super Power-Wedge® V-Belt	SPB, SPC	Yes
Aramax® Super Power-Wedge® V-Belt	5VK	No
Aramax® Super Power-Wedge® V-Belt	8VK	Yes
Aramax® Super Power-Wedge® Band	R5VK	No
Aramax® Super Power-Wedge® Band	R8VK	Yes
Metric Aramax® Power-Wedge® V-Belt	SPBK, SPCK	Yes
Chipper Drive Wedge-Band®	R5VL	Special Order Only
Classical V-Belts		
Gold-Ribbon® Cog-Belt®	AX, BX, CX, DX	Yes
Gold-Ribbon® Cog-Band®	RBX, RCX	Yes
Super II® V-Belt	A-R, B-R, C-R	Yes
Super Blue Ribbon® V-Belt	A, B, C, D, E	Yes
Super Blue Ribbon® Band	RB, RC, RD	Yes
Aramax® Xtra Duty V-Belt	3L-K, AK, BK	No
Double Angle V-Belts		
Double Angle V-Belt	AA, BB, CC	Special Order Only
FHP V-Belts		
Durapower® II FHP V-Belt	2L-R, 3L-R, 4L-R, 5L-R	Yes
Variable Speed V-Belts		
Variable Speed Cog-Belt®	V	Yes
V-Ribbed Belts		
Vee-Rib™ Belt	J	Yes
Specialty Belts		
Cotton Drive® Timing Belt	CCB	No
Dry Can Belt	CC-S	Special Order Only
Feather Picker Belt	AAX-FP, BBX-FP	No
Flour Power™ Roller Mill Belt	8M/PVK, 14M/PVK	No
Round Belt	7/16, 9/16	Special Order Only
Super Arc® Belt	B-SA, 9/16-SA	No
Thoro-Twist™ V-Belting	3L, A, B, C	No
Synchronous Belts		
All Timken Synchronous Belts	All	No

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.

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