

# Torque-Flex® V-Belts

## More horsepower per dollar

Your drives can deliver the horsepower you want at a lower component cost - with lower energy costs - when you include ContiTech Torque-Flex® V-belts in the design.



**Part Number: BX75**

<b>B</b>	0.66 in. top width - Classical profile
<b>X</b>	Premium cogged construction
<b>75</b>	Approximate 75 in. inside length
	Cut-edge, molded cog construction shown

Torque-Flex® V-belts are fully cogged to provide the flexibility needed to keep their high-traction rubber edges in contact with the sheave grooves. This high efficiency allows you to achieve the horsepower you need at a lower total drive cost.

Produced with a highly engineered EPDM compound, cut-edge cogged construction belts operate in a broader temperature range than ever before (-40°F to 230°F/-40°C to 110°C). Torque-Flex® V-belts can handle extremely high temperatures.

### Exacting precision and uniformity

Rigid quality assurance programs imposed during Torque-Flex® V-belt manufacture result in belt angles and belt lengths which are more exact than standard belts. This results in quiet, smooth-running and long-lasting belts. Think what that can save in reduced downtime and belt maintenance.

Of course, with such exacting production requirements, our Torque-Flex® V-belts also achieve consistent uniformity from run to run. This outstanding consistency means you can be sure that two belts of the same size designation will match, no matter when they were produced. As a result:

- › You eliminate mismatching problems caused by individual belts that may be too loose or too tight.
- › You simplify ordering procedures - no lengthy specifications, detailing match-ups and sizing.
- › No complicated time-consuming matching. Your ContiTech belts are automatically matched when you buy them.
- › You reduce your in-plant inventory. The Matchmaker® system covers your needs with a minimum of belts to save you space and inventory dollars.

### More savings from fewer belts

The high-strength and high horsepower capacity of Torque-Flex® V-belts means you need fewer belts and fewer sheave grooves to deliver the same amount of horsepower.

### Energy-saving efficiency

The same design and construction features which lead to high horsepower ratings for Torque-Flex® V-belts also lead to improvements in energy efficiency of up to 4%, depending on sheave diameter.

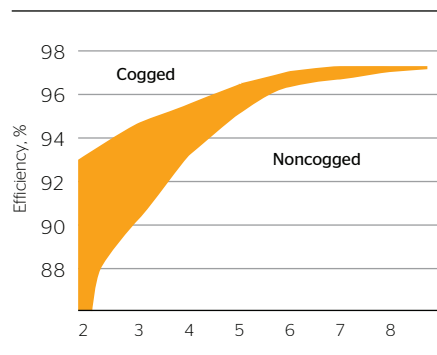
### Applications

Designed for the tough, small sheave, high-tension drives.

### Key features & benefits

- › Premium Classical profile construction.
- › 25%-30% higher power ratings than standard V-belts.
- › Strong Vytacord® (polyester) tensile members.
- › Engineered cushion compound.
- › Cut-edge cogged construction on most sizes.
- › Heat, ozone and abrasion resistant.
- › Matchmaker® to eliminate mismatch.
- › Static conductive.\*
- › Operates in a wide ambient temperature range (-40°F to 230°F/-40°C to 110°C).
- › EPDM construction (cut-edge cogged only).

### Cogged vs. Noncogged Belt Efficiency



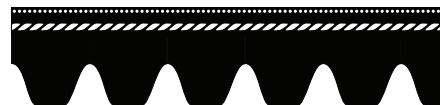
Sheave Diameter (in.)  
■ Belt Efficiency

\*Drive conditions and service variables in combination with time in operation can result in a loss of static conductivity. It is recommended that a conductivity check be added to drive preventive maintenance programs where belt static conductivity is a requirement.

# Torque-Flex® V-Belts

## Cross Sections and Lengths Available

Side View



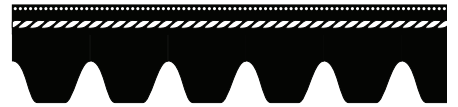
**AX\***

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
AX21	23	AX49	51	AX76	78
AX22	24	AX50	52	AX77	79
AX23	25	AX51	53	AX78	80
AX24	26	AX52	54	AX79	81
AX26	28	AX53	55	AX80	82
AX27	29	AX54	56	AX81	83
AX28	30	AX55	57	AX82	84
AX29	31	AX56	58	AX83	85
AX30	32	AX57	59	AX84	86
AX31	33	AX58	60	AX85	87
AX32	34	AX59	61	AX86	88
AX33	35	AX60	62	AX87	89
AX34	36	AX61	63	AX88	90
AX35	37	AX62	64	AX89	91
AX36	38	AX63	65	AX90	92
AX37	39	AX64	66	AX91	93
AX38	40	AX65	67	AX93	95
AX39	41	AX66	68	AX94	96
AX40	42	AX67	69	AX95	97
AX41	43	AX68	70	AX96	98
AX42	44	AX69	71	AX97	99
AX43	45	AX70	72	AX98	100
AX44	46	AX71	73	AX100	102
AX45	47	AX72	74	AX103	105
AX46	48	AX73	75	AX105	107
AX47	49	AX74	76	AX110	112
AX48	50	AX75	77	AX112	114



\*Cut-edge cogged construction. EPDM -40°F to 230°F (-40°C to 110°C) temperature range.

Side View



**BX\***

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
BX28	31	BX67	70	BX103	106
BX31	34	BX68	71	BX105	108
BX32	35	BX69	72	BX106	109
BX34	37	BX70	73	BX108	111
BX35	38	BX71	74	BX112	115
BX36	39	BX72	75	BX113	116
BX38	41	BX73	76	BX115	118
BX40	43	BX74	77	BX116	119
BX41	44	BX75	78	BX120	123
BX42	45	BX76	79	BX123	126
BX43	46	BX77	80	BX124	127
BX44	47	BX78	81	BX126	129
BX45	48	BX79	82	BX128	131
BX46	49	BX80	83	BX133	136
BX47	50	BX81	84	BX136	139
BX48	51	BX82	85	BX140	143
BX49	52	BX83	86	BX144	147
BX50	53	BX84	87	BX148	151
BX51	54	BX85	88	BX150	153
BX52	55	BX86	89	BX154	157
BX53	56	BX87	90	BX158	161
BX54	57	BX88	91	BX162	165
BX55	58	BX89	92	BX173	176
BX56	59	BX90	93	BX180	183
BX57	60	BX91	94	BX191	194
BX58	61	BX92	95	BX195	198
BX59	62	BX93	96	BX210	213
BX60	63	BX94	97	BX225	228
BX61	64	BX95	98	BX240	243
BX62	65	BX96	99	BX255	258
BX63	66	BX97	100	BX270	273
BX64	67	BX98	101	BX300	303
BX65	68	BX99	102		
BX66	69	BX100	103		



\*Cut-edge cogged construction. EPDM -40°F to 230°F (-40°C to 110°C) temperature range.

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## Cross Sections and Lengths Available

**CX\***

Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)	Part #	Approx. Outside Length (in.)
CX51	55	CX100	104	CX150	154
CX55	59	CX101	105	CX158	162
CX60	64	CX105	109	CX162	166
CX68	72	CX109	113	CX173	177
CX72	76	CX111	115	CX180	184
CX75	79	CX112	116	CX195	199
CX78	82	CX115	119	CX210	214
CX81	85	CX120	124	CX240	244
CX85	89	CX128	132	CX270	274
CX90	94	CX136	140		
CX96	100	CX144	148		



\*Cut-edge cogged construction. EPDM -40°F to 230°F (-40°C to 110°C) temperature range.