

Maximum Performance Any Length, Any Time!



Precision, Raw-Edge Cog, Wedge and Classical Vee Belts manufactured quickly to any length.

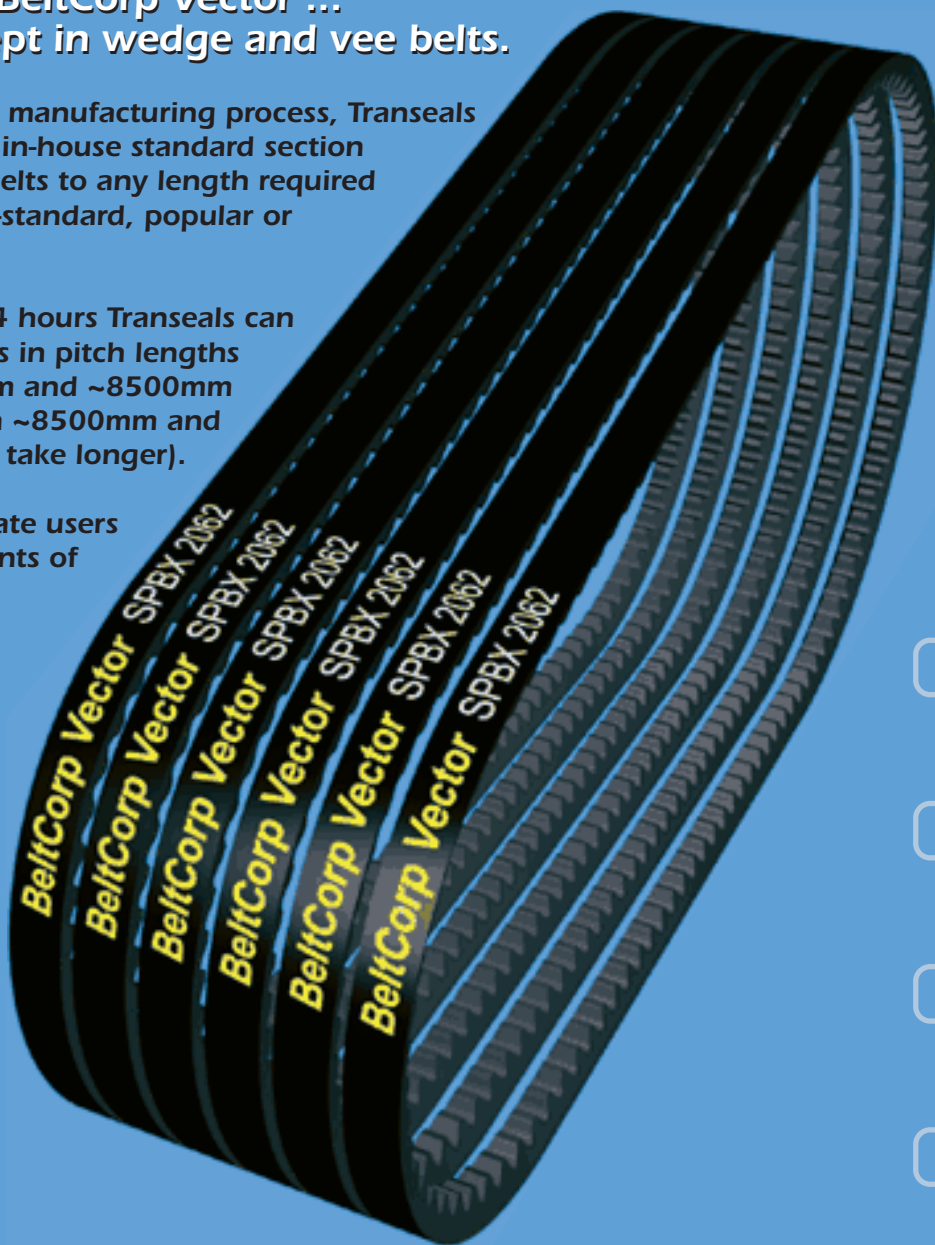
Introducing BeltCorp Vector ...
a new concept in wedge and vee belts.

Using a patented manufacturing process, Transeals can manufacture in-house standard section wedge and vee belts to any length required (standard or non-standard, popular or unusual).

Within around 24 hours Transeals can manufacture belts in pitch lengths between ~490mm and ~8500mm (lengths between ~8500mm and ~13,000mm may take longer).

Vector belts liberate users from the constraints of shaft centre distances determined by off-the-shelf standard belt lengths.

Vector belts also outperform conventional belts by up to 30%.



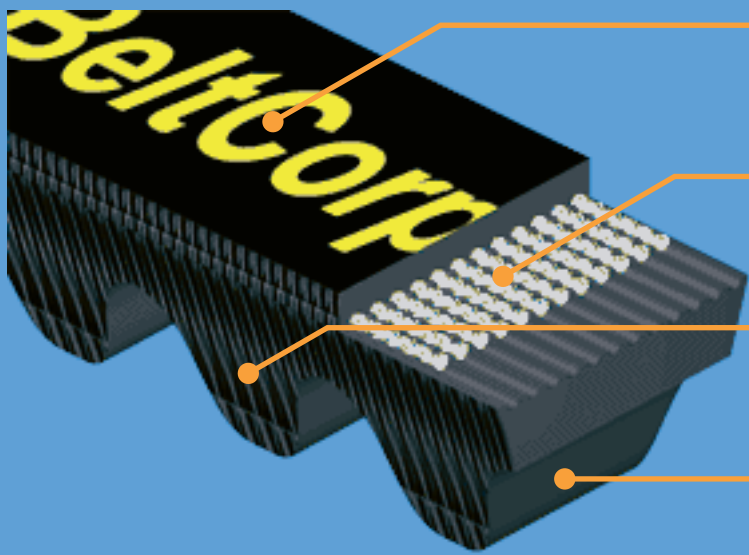
Primary Features and Characteristics

- TPR (thermopolymer rubber) base and top components provide unparalleled chemical, oil, heat and atmospheric compatibility for long life in just about any environment.
- Lower belt mass than rubber belts for increased power rating at high belt speeds.
- Raw edge construction maintains high traction edges in contact with the pulley groove.
- Dual, symmetrical, high tenacity polyester load carrying cords ensure minimal stretch and maximum resistance to shock loads.
- Computer controlled production process ensures dimensional consistency resulting in belts staying matched on the drive.

Proudly manufactured in
Western Australia by Transeals Pty Ltd

BeltCorp Vector Belts

Typical Construction



TOP COMPONENT

Profile extruded from TPR, heat welded to link all components.

CORD COMPONENT

Balanced polyester cord layout with high strength adhesive.

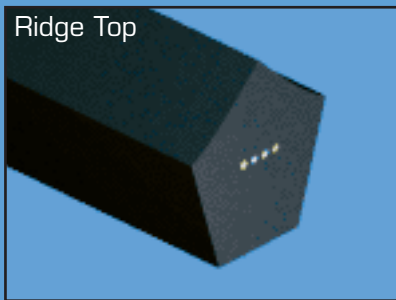
SIDE WALLS

High performance TPR offers excellent abrasion resistance qualities.

BASE COMPONENT

Continuous high traction moulded cog made from TPR.

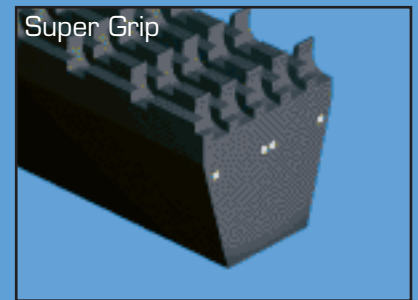
Bagging / Packaging / Conveying



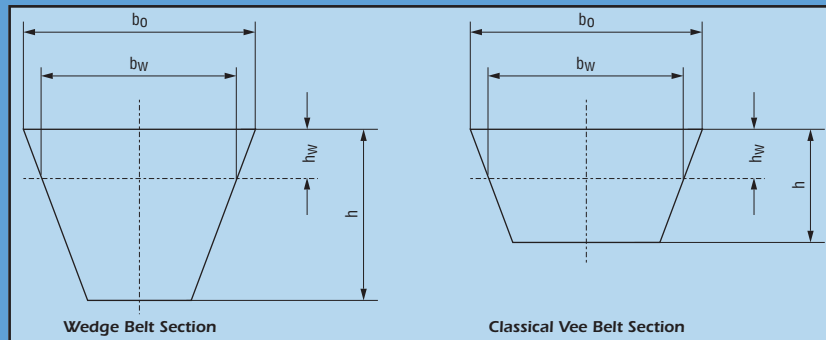
Ridge Top



Conveyor



Super Grip



Wedge Belt Section

Classical Vee Belt Section

Belt Dimensions		ZX	AX	BX	CX	DX	SPZX	SPAX	SPBX	SPCX	SPPX
Top belt width b_0	mm	10	13	17	22	32	9.7	12.7	16.3	22	25
Pitch width b_w	mm	8.5	11	14	19	27	8.5	11	14	19	23.5
Height of belt h	mm	6	8	11	14	20	8	10	14	18	23
Pitch height h_w	mm	2	2.8	4.2	5.7	6.9	2	2.8	4.2	5.7	3.2
Min pulley pitch diameter d_p min	mm	40	63	90	140	250	56	71	112	180	315
Max. flexing frequency f_{max}	s^{-1}	60	60	60	60	60	100	100	100	100	100
Max belt speed V_{max}	m/s	30	30	30	30	30	40	40	40	40	40
Length differential from L_p $\Delta L = L_p - L_i$	mm	30	42	56	69	107	39	50	72	96	127

Transeals Pty Ltd

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Power Transmission Equipment
Hydraulic Seals and Packings



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