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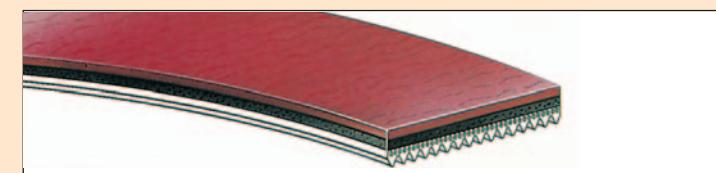
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PHYSICAL PROPERTIES		MATERIAL	STRUCTURE	SPECIFIC GRAVITY	HARDNESS *Sha	WEAR RESISTANCE	ABRASION RESISTANCE	COEFF. OF FRICTION	MAXIMUM CONTACT TEMP °C	OIL RESISTANT ?	THICKNESS FACTOR (See Separate Guide)	DESCRIPTION
	STANDARD BONDAPRENE (ST BP)	CR	CC	0.4	-	★	★	1.3	85	✓	A	Exceptional quality tough cellular Neoprenes giving the best possible performance for this type of material, very suitable for general purpose haul off work.
	HEAVY DUTY BONDAPRENE (HD BP)	CR	CC	0.5	-	★★	★	0.9	100	✓	A	
	LINATEX (LTX)	NR	NC	0.98	38	★★	★★	1.0	65	×	B	Popular high gum natural rubber widely used for haul off and feed belts.
	BONDATEX-35 PLUS (BTX-35+)	NR	NC	0.99	35	★★★	★★★	1.2	65	×	B	Specially compounded natural rubber, offering high grip, wear and abrasion resistance qualities
	BONDATEX-40 (BTX-40)	NR	NC	1.0	40	★★	★★	1.1	70	×	B	Filled natural rubber, generous coating thickness give maximum resilience, very suitable for profiling (vee, radius, etc).
	BONDATEX-55 (BTX-55)	NR	NC	1.1	55	★★★	★★★	0.9	75	×	B	Silica reinforced natural rubbers give excellent wear resistance without sacrificing grip. BTX-70 is one of the toughest rubbers available ...anywhere
	BONDATEX-70 (BTX-70)	NR	NC	1.13	70	★★★★	★★★★	0.6	75	×	C	
	BONDATEX-N PLUS (BTX-N+)	CR	NC	1.3	60	★★★	★★	0.7	110	✓	C	Tough Nitrile specially formulated for oil & heat resistance.
	BONDATEX-F40 (BTX-F40)	NR	NC	1.0	40	★★	★	1.0	70	×	B	FDA approved ideal for medical use, also recommended for food handling.
	BONDATEX-PB60 (BTX-PB60)	NBR	NC	1.3	60	★★	★★	0.8	110	✓	C	FDA quality NBR compound offering superior oil/fat resistance. Specially formulated for good wear/fatigue characteristics.
	BONDASIL-60 (SIL-60)	Q	NC	1.6	60	★★★	★★	0.6	220	✓	C	Specially compounded to combine excellent wear/abrasion resistance up to 220°C also self-releasing for handling adhesives.
	BONDATHANE-E PLUS (BTH-E+)	PUR	CC	0.75	-	★★★	★★	0.5	80	✓	B	Superior grade dense cellular PU combines resilience with excellent wear resistance. Also good oil, chemical and solvent resistance.
	BONDATHANE-35 (BTH-35)	PUR	CC	0.35	-	★★★	★★★	0.3	90	✓	C	Foamed PU elastomer (Vulkollan based) micro-cellular construction confers good resilience combined with excellent wear resistance.
	BONDATHANE-60 (BTH-60)	PUR	NC	1.1	60	★★★★	★★★★	0.45	75	✓	C	A Vulkollan based cast PU offering the ultimate resistance to wear and abrasion (at this hardness) also resistance to oils/solvents.
	BONDATHANE-70 (BTH-70)	PUR	NC	1.2	70	★★★	★★★	0.4	80	✓	C	

'CUSHIONTEX' - COMPOSITE COVERS

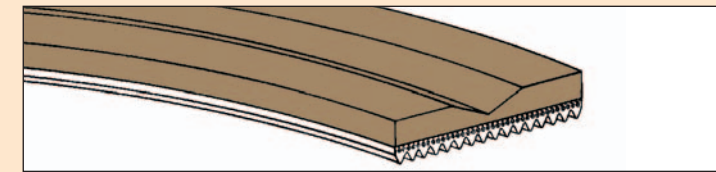


2-layer construction gives enhanced wear resistance with resilience, advantages are:-

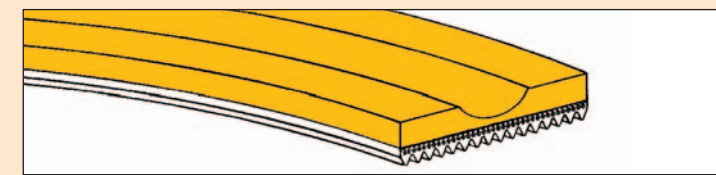
- ★ Longer life
- ★ Better grip (wrap-around effect)
- ★ Tolerance to irregularities
- ★ Cushion protects top surface against 'aggressive' profiles

Popular combinations:-
 CTX-L ST Bondaprene + Linatex
 CTX-55 HD Bondaprene + Bondatex-55

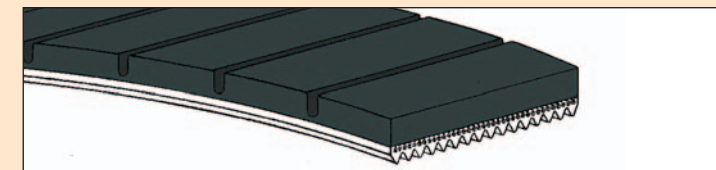
PROFILED BELTS



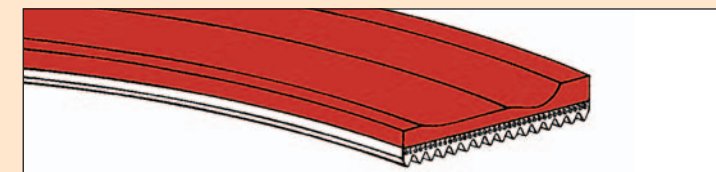
VEE PROFILES - allows a two belt caterpillar to haul tubes and pipes. 4 point contact maximises grip, minimises crushing.



RADIUS PROFILES - any size to suit round thin-wall products.

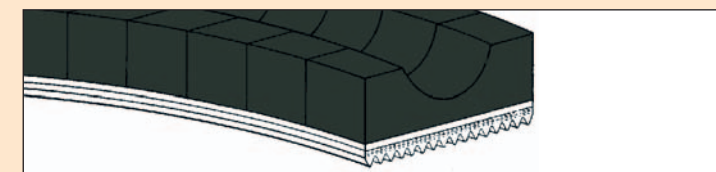


SLOTTED COVERS - recommended for thick covers (THICKNESS FACTOR GUIDE). Better than individual pads, increase belt life. Angled across belt as standard.



COMPLEX PROFILES - virtually any shape of extrusion may be accommodated with matching upper/lower belt profiles - ideal for decorative trims.

BLOCKED BELTS



Water jet cut blocks are close packed and bonded onto substrate, enabling thin walled or deep profiles to be gripped without distortion.

CHAIN CATERpillARS

REPLACEMENT PADS/INSERTS

Bondabelt supply Haul-Off pads for the Rigid and Cellular PVCu extrusion industries. All our pads are manufactured to suit customer's specific requirements relating to grip, profile, wear resistance etc, Bondabelt offer both types of Haul Off pads either with a base plate/shaped section or as a push-in insert.

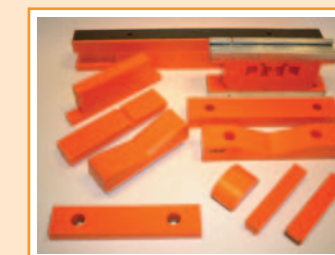
With simple tooling Polyurethane can be cast to accommodate complex profiles. This characteristic enables us to offer pads that do not crush the product being extruded. One example of this is shown in the photo below, the Cladding was continually splitting due to the clamping required to pull it. We designed a set of pads that accommodated two different sizes of Cladding without splitting the product.



A problem commonly experienced with Rubber pads is the working surface "drying-out". This is when the contact surface of the pads becomes shiny and hard leading to a reduction in the coefficient of friction. The PUR compound we use has been specially formulated to avoid this as well as offering the usual high wear and cut resistance associated with PUR.



Bondabelt have always prided themselves on their ability to offer engineered solutions to the extrusion industry, whether with belts or pads. A few of the special constructions we have manufactured include Aluminium base plates, quick release fasteners, thicker coatings and composite compounds.



RECLAIMS

Worn out? Covers maybe, but check the base belt. If it's sound we can reclaim and recover in the material of your choice. The larger the belt, the greater the saving!

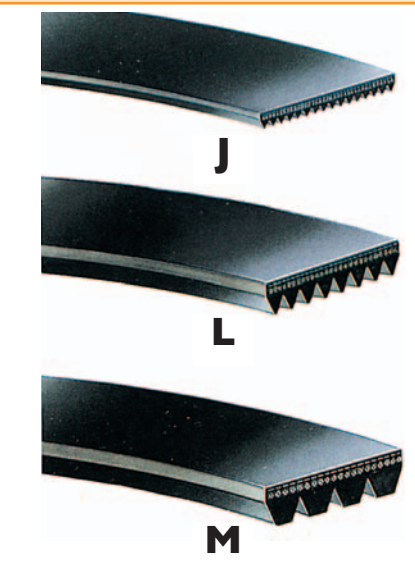
THICKNESS FACTOR GUIDE MAXIMUM RECOMMENDED BELT COVERING MATERIAL THICKNESS

1. Measure pulley diameter (outside diameter).
2. Select belt covering material.
3. Note thickness factor from Physical Properties Table (A, B or C).
4. From appropriate graph (opposite) read off maximum recommended thickness.
5. Greater thickness required? Then stress relieving slots are necessary.
6. Often with extra-thick multiple coverings it is advisable to use a flexible substrate that can be cross slotted into ie. Bondatex-40 topped with Bondatex-70.

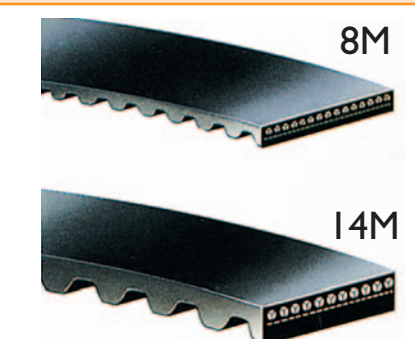
WHICH BELTS?

All of the materials listed may be bonded to virtually any type/make of base belt. The most popular belts are illustrated:-

POLY-V BELTS

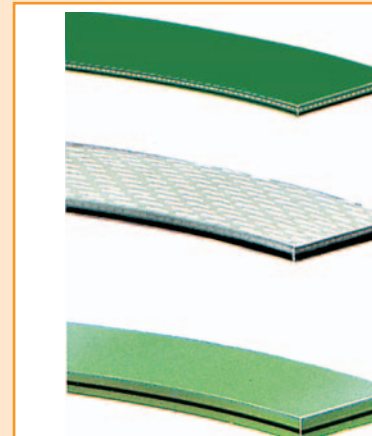


HTD BELTS



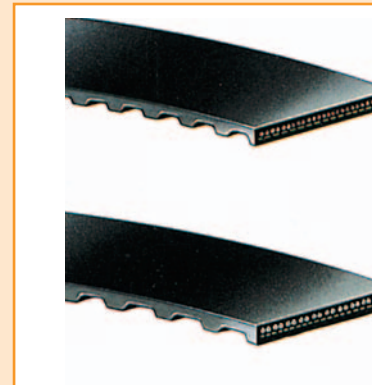
Also:
3M
5M
20M

FLAT BELTS



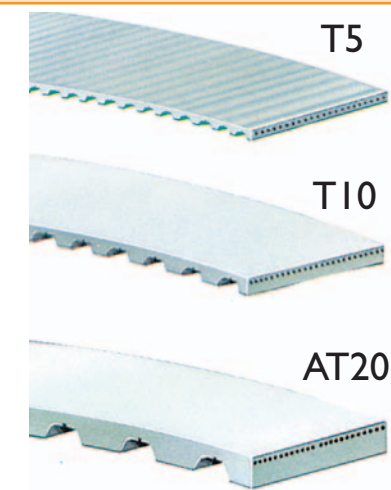
Also: Virtually any type/make of flat belt

TIMING BELTS



Also:
XL (1/3" pitch)
XH (1/2" pitch)
XXH (1G" pitch)

SYNCR0 TIMING BELTS



Also: T20, AT5, AT10 and TG Series

Full range of Syncro belts in T5, T10, AT5, AT10 available from stock with Steel and Kevlar reinforcements.

VEE BELTS

SECTION	W mm	H mm
Z	10	6
A	13	8
B	17	11
C	22	14
D	32	20
E	40	25

