

Trioflex®

The industrial standard in reliability

For heavy duty application there is an ideal TRIOFLEX conveyor belt:

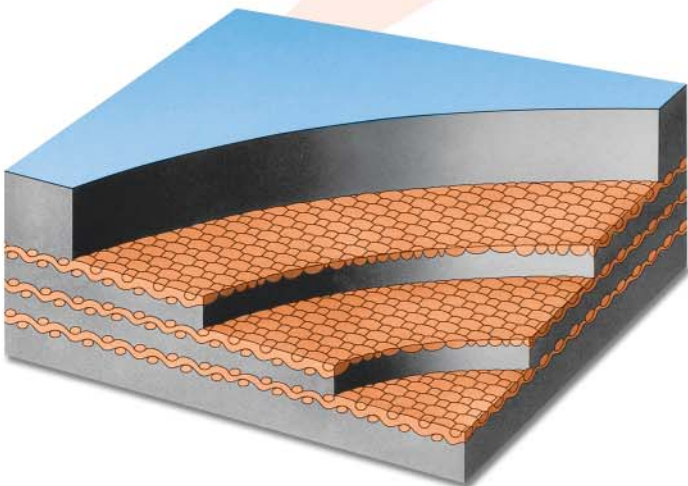
- Tensile strengths varying between 400 and 1250 N/mm
- High quality cover compounds for -40°C up to +400°C, fire resistant, oil, grease and abrasion resistant
- High impact resistance due to thicker rubber layers between the fabric plies
- Higher splice performance than conventional multi-ply belting
- Higher effective load support than conventional multi-ply belting
- Standard products available from stock

Fenner Dunlop, your best conceivable guarantee for continuity

Fenner Dunlop offers you a level of professional support, which may make the difference between smooth running and breakdown. Our Application Engineering Department selects the exact TRIOFLEX carcass and cover compounds for your application. Together with our Research and Development Department we develop the required modifications and made-to-measure products. In cooperation with our global network of distributors and Fenner Dunlop service-points we are always in your vicinity. That is why we can supply promptly and from stock. If necessary we can arrange in-house splicing for you. The result: minimum downtime and costs per ton.

Robust carcass, top quality covers

Do you require unconditional reliability?
Do you aim for optimum cost efficiency?
Then you need to get to know TRIOFLEX: a tried and tested 3 ply carcass concept with low elongation characteristics. TRIOFLEX provides a reliable load bearer for a wide range of high quality covers.
Whether it involves goods in transit, steel processing or mining, TRIOFLEX is the reliable, multifunctional solution for nearly every industrial application.

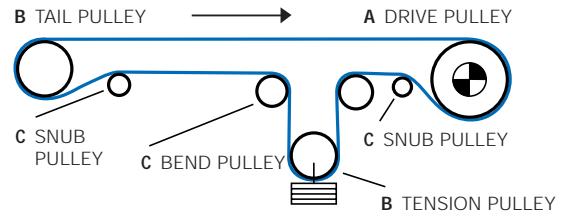


Technical features

The extensive TRIOFLEX product range

Belt type	Carcass thickness (mm)	Carcass weight (kg/m ²)	Pulley diameters*			Min. width** (mm)	Max. belt width for satisfactory load support material weight in t/m ² : **			
			A (mm)	B (mm)	C (mm)		<0.75 (mm)	0.75-1.5 (mm)	1.5-2.5 (mm)	2.5-3.2 (mm)
T 400	4.4	5.3	400	315	250	650	1800	1600	1400	1200
T 500	5.0	5.9	500	400	315	800	2000	1800	1600	1400
T 630	5.5	6.5	630	500	400	800	2000	1800	1600	1400
T 800	6.0	7.2	800	630	500	800	2200	2000	1800	1600
T 1000	6.5	7.8	800	630	500	1000	2200	2200	2000	1800
T 1250	7.2	8.1	1000	800	630	1000	2200	2200	2200	2000

- * Diameter for belt-loads from 60% up to 100%. For lower loads a smaller diameter can be suitable as well.
- ** The load support of a belt is determined by the belt width, belt strength and bulk material density. The table indicates the limits for correct load support, based on a three-idlers 30° set with idlers of equal length.



Explanation:

To determine the total belt thickness:

Add the sum of the cover thicknesses to the carcass thickness.

To determine the belt weight:

Multiply the sum of the cover thicknesses by 1.15 and add the result to the carcass weight. (Except for fire resistant belts, for which other weights apply.)

Ask for expert advice!

If you have any questions, please call our Application Engineering Department for expert advice, free of charge.

A wide range of cover qualities

All Fenner Dunlop qualities are anti-static according to EN 20284.

Fenner Dunlop quality	DIN quality	EN/ISO quality	Permissible temp. °C *			Basic raw material	Technical features Application area	
			min.	cont.	max.			
Abrasion	RA	Y	D	-30	80	100	SBR	High abrasion resistance for normal service conditions. Extra wear resistance to meet the demands of conveying highly abrasive materials. Excellent resistance to cuts, impact, abrasion and gouging resulting from large lump sizes of heavy, sharp materials and high drop heights.
	RS	W	D	-30	80	90	NR/SBR	
	RE	X	H	-40	80	90	NR	
Heat Resistant	Betahete	T		-20	150	170	SBR	Heat resistant for materials at moderate temperatures. Increased heat resistant for materials at controlled high temperatures. Superior heat resistant for heavy duty service conditions, up to 400° C for a short period (coke, clinker etc.)
	Starhete	T		-20	180	220	IIR	
	Deltahete	T		-20	200	400	EPDM	
Oil and fat Resistant	ROM	G**		-20	80	90	SBR/NBR	Oil and fat resistant for most products with animal and vegetable oils and fats. Oil and fat resistant for products containing mineral oils.
	ROS	G		-20	80	120	NBR	
Fire Resistant	BVX	K/S***		-20	80	90	SBR	Fire resistant for the transport of inflammable and explosive materials such as coal dust etc. According to EN 20340. Same features as ROM and also fire resistant. According to EN 20340. Same features as ROS and also fire resistant. According to EN 20340.
	BV ROM	K/S***		-20	80	90	SBR/NBR	
	BV ROS	K/S***		-20	80	90	NBR	

Other qualities for special applications on request.

- * The temperatures specified below cont. and max. refer to the material that is to be transported on a conveyor belt, for elevator belts other values apply. For lower ambient temperatures, please ask for our COLDSTAR, available in the qualities abrasion resistant (-60°C), oil and fat resistant (-30°C), and fire resistant (-40°C).
- ** In some cases (with products containing high concentrations of animal and vegetable oils) ROS should be selected.
- *** K is fire resistant with covers. S is fire resistant with and without covers.

All data and recommendations in this brochure have been drafted to the best of our knowledge, as accurately as possible and updated to reflect the most recent technological developments. Nevertheless we must inform you that some products may in the light of recent technological developments have been rendered obsolete. We cannot accept any responsibility for recommendations based solely on this brochure.

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