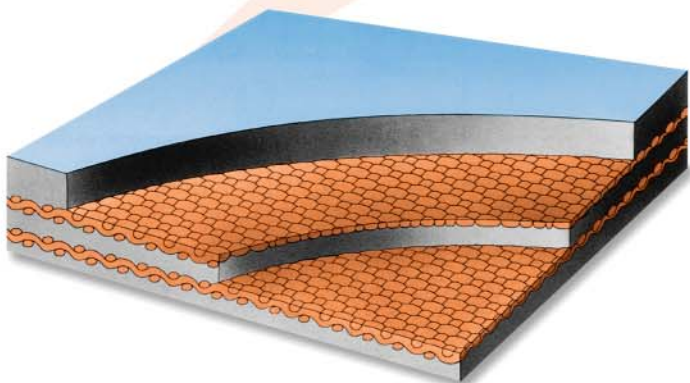


Dunloflex®

The industrial standard in reliability

For each application there is an ideal DUNLOFLEX conveyor belt:

- Tensile strengths varying between 200 and 800 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 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 DUNLOFLEX 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 DUNLOFLEX: a tried and tested 2 ply carcass concept with low elongation characteristics. DUNLOFLEX provides a reliable load bearer for a wide range of high quality covers.

Whether it involves baggage transport at international airports, goods in transit, steel processing or mining, DUNLOFLEX is the reliable, multifunctional solution for nearly every industrial application.

Special cover profiles:

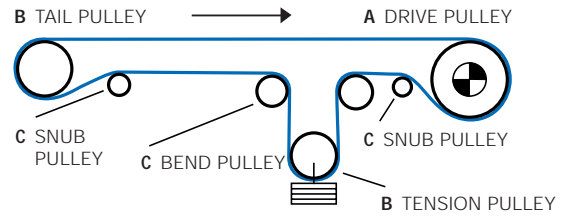
- textile impression
- corrugated profile
- made-to-measure products for specific production processes

Technical features

The extensive DUNLOFLEX 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)
D 200	2.7	3.1	250	200	160	400	800	800	
D 250	3.0	3.6	250	200	160	400	1000	800	
D 315	3.2	3.7	250	200	160	500	1000	1000	800
D 400	3.7	4.3	315	250	200	500	1200	1000	1000
D 500	4.1	4.7	315	250	200	650	1200	1000	1000
D 630	4.5	5.0	400	315	250	650	1400	1200	1000
D 800	4.8	5.5	500	400	315	650	1400	1200	1200

- * 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	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	
	RE	X	H	-40	80	90	
Heat Resistant	Betahete	T		-20	150	170	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	
	Deltahete	T		-20	200	400	
Oil and fat Resistant	ROM	G**		-20	80	90	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	
Fire Resistant	BVX	K/S***		-20	80	90	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	
	BV ROS	K/S***		-20	80	90	

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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