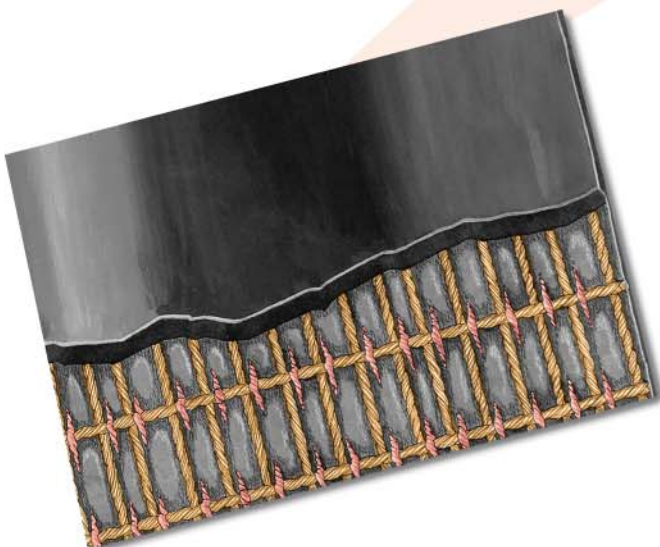


Ferroflex®

The industrial standard in reliability

For each application there is an
ideal FERROFLEX conveyor belt:

- Tensile strengths varying between
500 and 2000 N/mm
- High quality cover compounds for
-40°C up to +400°C, fire resistant, oil,
grease and abrasion resistant
- Low elongation 0.25% at 10% of the
nominal tensile strength
- High impact and tear resistance due
to dense steel cord carcass
- Small pulley diameters



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 FERROFLEX 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 FERROFLEX: a tried and tested carcass concept with low elongation characteristics. FERROFLEX provides a reliable load bearer for a wide range of high quality covers. Whether it involves goods in transit, steel processing or mining, FERROFLEX is the reliable, multifunctional solution for nearly every industrial application.

Available:

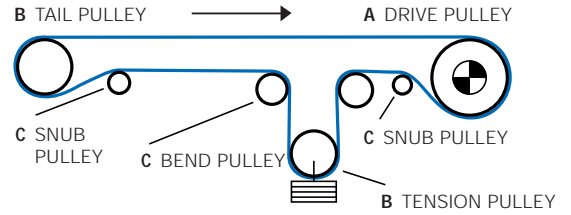
- widths: 500 - 1000 mm
- special carcass for elevator belts

Technical features

The extensive FERROFLEX product range

Belt type (N/mm)	Carcass thickness (mm)	Carcass weight (kg/m ²)	Minimum pulley diameters*			Min. recommended cover thickness (mm)	Min. width** (mm)	Max. belt width for satisfactory load support with material density of t/m ³ **			
			A (mm)	B (mm)	C (mm)			<0.75 (mm)	0.75-1.5 (mm)	1.5-2.5 (mm)	2.5-3.2 (mm)
F 500 IW	3.2	5.7	500	400	315	6 + 4	500	1600	1400	1200	1000
SW	4.7	7.3	500	400	315	6 + 4	800	2200	2000	1800	1600
F 630 IW	3.2	5.9	500	400	315	6 + 4	500	1600	1400	1200	1000
SW	4.7	8.1	500	400	315	6 + 4	800	2200	2000	1800	1600
F 800 IW	4.5	8.6	630	500	400	6 + 4	650	2200	2000	1800	1600
SW	5.4	9.5	630	500	400	6 + 4	800	2200	2200	2000	1800
F 1000 IW	4.5	9.3	630	500	400	6 + 4	650	2200	2000	1800	1600
SW	5.4	10.4	630	500	400	6 + 4	800	2200	2200	2000	1800
F 1250 IW	6.0	12.2	800	630	400	8 + 5	800	2200	2200	2200	2200
SW	7.1	13.2	800	630	400	8 + 5	1000	2200	2200	2200	2200
F 1600 IW	6.0	13.5	800	630	400	8 + 5	800	2200	2200	2200	2200
SW	7.1	14.6	800	630	400	8 + 5	1000	2200	2200	2200	2200
F 2000 SW	7.1	16.0	800	630	400	8 + 5	1000	2200	2200	2200	2200

- * 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 a factor of 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	-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	-30	80	90	NR/SBR	
	RE	X	-40	80	90	NR	
Heat Resistant	Betahete	T	-20	150	170	SBR	Heat resistant for materials at moderate temperatures. Superior heat resistant for heavy duty service conditions, up to 400° C for a short period (coke, clinker etc.)
	Deltahete	T	-20	200	400	EPDM	
Oil and fat Resistant	ROS	G	-20	80	120	NBR	Oil and fat resistant for products containing mineral oils.
Fire Resistant	BVX	S**	-20	80	90	SBR	Fire resistant for the transport of inflammable and explosive materials such as coal dust etc. According to EN 20340. Suitable for hazardous zones according to ATEX 95.

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).
- ** 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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