



Exceptional wear resistance



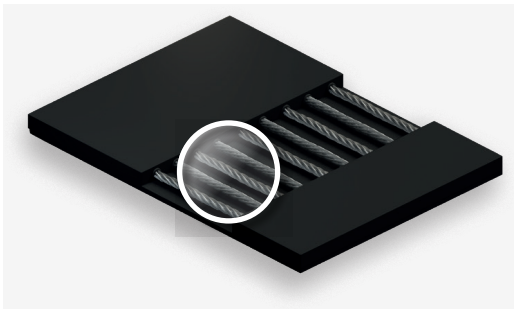
First class handling characteristics



Excellent strength and durability

Steelcord®: tested to the limit

The Dunlop laboratory housed in our manufacturing plant in the Netherlands is at the very heart of our quality culture. It is here that we carry out exhaustive testing for essential properties such as tensile strength and elongation as well as key performance characteristics including abrasion, ozone and rip & tear resistance. It is also here that every single batch of rubber compound is checked and tested to ensure that every Dunlop conveyor belt consistently performs exactly as it is guaranteed to do.



Steelcord cross-section

aligned cords

- Exclusively manufactured in The Netherlands (also known as Made in Holland)
- Outstanding wear resistance – up to 50% longer operational lifetime
- 100% ozone and UV resistant
- Low elongation
- Excellent handling characteristics - reduced maintenance
- Wide range of top quality covers designed to meet the toughest demands
- Safe to handle – REACH POP's regulation compliant.
- Tensile strengths ranging from 500 N/mm up to 5400 N/mm
- Available in widths from 500 mm up to 1600 mm
- Custom-made specifications available on request
- Two-year guarantee against faulty workmanship and/or materials

Cover grades properties

	Fenner Dunlop Cover Quality	DIN quality	EN/ISO quality	Permissible temp. °C ¹			Base polymer	Technical Features
				Min. Ambient	Cont. Material	Peak Material		
	Abrasion resistant							
	AA			-30	80	100	SBR	Abrasion resistant for normal service conditions.
	RA	Y		-30	80	10	SBR	Abrasion resistant for more severe service conditions.
	RE	X	H	-40	80	90	NR	Excellent resistance to cuts, impact, abrasion and gouging resulting from large and heavy lump sizes.
	RS	W	D	-30	80	90	NR/SBR	Impact and extra wear resistance for conveying highly abrasive materials of mixed lump sizes.
	RES	X/W/Y	H/D	-40	80	90	NR	Superior resistance to cuts, impact, abrasion and gouging resulting for large and heavy lump sizes and/or fine highly abrasive materials of mixed lump sizes.
	Heat resistant							
	Betahete	T	T1	-20	160	180	SBR	Heat and wear resistant for high temperature materials.
	Deltahete	T	T3	-20	200	400	EPM	Superior heat resistant for heavy duty service conditions, up to 400 °C for short time intervals.
	Fire resistant							
	BV	S	2B	-20	80	90	SBR	Highly fire resistant according to EN 12882 and EN ISO 340. ²
	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. ³
	ROS	G		-20	80	120	NBR	Oil and fat resistant for products containing minerals oils.

¹ The minimum (min) temperatures specified in this document refer to the ambient temperature of the surrounding area. The continuous (cont.) and peak temperatures relate to the material that is to be transported on a conveyor belt. For elevator belts other values apply.

² Fire retardant with and without covers.

³ In some cases (with products containing high concentrations of animal and vegetable oils) ROS should be selected.

Other cover grade qualities for special applications are available upon request.

Learn more
about rubber
compounds



Steelcord® product range

Type	Minimum cover thickness [mm]	Cord diameter [mm]	Cord pitch [mm]	Carcass weight [kg/m ²]	Minimum pulley diameters [mm]			Minimum belt width*
					Drive	Tail/tension/bend	Snub [mm]	
ST500	4	2.7	14.0	4.9	500	400	315	400
ST630	4	2.7	11.0	5.4	500	400	315	400
ST800	4	3.5	12.0	7.5	630	500	400	400
ST1000	4	3.6	12.0	7.7	630	500	400	400
ST1250	4	4.4	14.0	9.8	630	500	400	500
ST1400	4	4.5	14.0	10.0	630	500	400	500
ST1600	4	5.2	15.0	11.8	800	630	500	500
ST1800	4	5.2	13.5	12.4	800	630	500	500
ST2000	4	5.2	12.0	13.3	800	630	500	650
ST2250	4	5.2	11.0	13.8	800	630	500	650
ST2500	5	6.7	15.0	17.1	1000	1000	630	650
ST2800	5	6.7	13.5	18.1	1000	1000	630	800
ST3150	6	7.6	15.0	20.9	1250	1000	800	800
ST3500	6	8.2	15.0	23.3	1250	1000	800	800
ST4000	7	8.6	15.0	25.3	1250	1000	800	800
ST4500	7	9.4	16.0	28.3	1400	1250	1000	1000
ST5000	8	10.2	17.0	30.2	1600	1400	1250	1000
ST5400	8	10.6	17.0	32.5	1800	1600	1400	1000

*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 three idlers of the same length set at 30°.

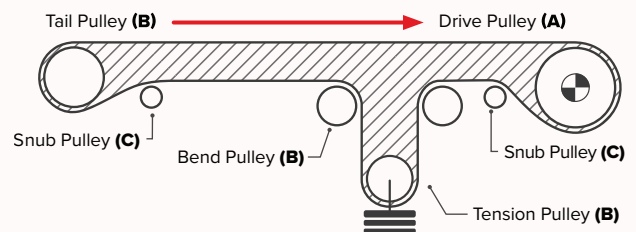
Other carcass constructions and belt strengths are available upon request.

1 Determine the total belt thickness.

Add the sum of the covers to the carcass thickness.

2 Determine the belt weight per m².
excluding belts for which other weights apply

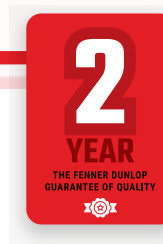
Multiply the sum of the covers by 1.15 and add the result to the carcass weight.



Real time belt monitoring

Protect your belt with Fenner Dunlop damage detection technology.

Offering real-time monitoring and automatic shutdown to lessen damage and reduce repair costs. Choose our monitoring solutions for seamless protection and efficiency.



Learn more about belt monitoring

