

# DUNLOP STEELCORD

THE TOUGHEST, HARDEST WEARING,  
LONGEST LASTING CONVEYOR BELTS IN THE WORLD

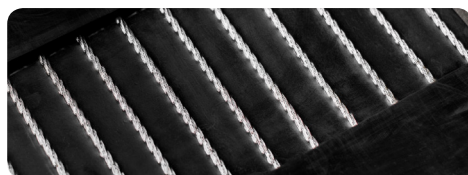
## DUNLOP STEELCORD CONVEYOR BELTS

The worldwide Fenner Dunlop Group has more than 40 years of experience in producing top quality steelcord belting. In Holland we combine that experience with the latest, most technologically advanced steelcord manufacturing line in the world. This combination is used to produce belts that provide outstanding reliability and durability and exceed just about every international standard imaginable.

### 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.

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



EXCEPTIONAL  
WEAR RESISTANCE



FIRST CLASS  
HANDLING CHARACTERISTICS



EXCELLENT  
STRENGTH AND DURABILITY

### UNRIVALLED TECHNICAL SUPPORT AND GUIDANCE

When you buy from Dunlop Conveyor Belting you get more than just quality conveyor belts. We pride ourselves on providing an unrivalled level of customer support. We have one of the largest, most experienced and highly trained teams of conveyor belt specialists and application engineers in the industry. That team is on hand to provide our customers with help and guidance both in the selection of the most cost-effective belts to use and problem solving.

Our customer support services include:

- ▶ Cost-effective belt selection
- ▶ Safety advice – fire resistant belt standards
- ▶ Site visits and surveys
- ▶ Belt calculation services
- ▶ Technical training (on-site and Dunlop based)
- ▶ Splice training
- ▶ Trouble shooting and problem solving
- ▶ In-house research, testing and development
- ▶ After-sales support

HELPLINE  
+31 (0) 512 585 555

ADDITIONAL INFORMATION  
[WWW.DUNLOPCB.COM](http://WWW.DUNLOPCB.COM)

We are never more than a phone call away when our customers need our help or advice. This service is extremely well supported by our extensive network of highly reputable Dunlop Authorised Distributors, Vulcanisers and Approved Agents.



## TECHNICAL INFORMATION - THE DUNLOP STEELCORD RANGE

All specifications shown are according to EN ISO 15236 part 2 and DIN 22131

Type	Minimum cover thickness [mm]	Cord diameter [mm]	Cord pitch [mm]	Carcass weight [kg/m <sup>2</sup> ]	Minimum pulley diameters [mm]			Minimum belt width* [mm]
					Drive	Tail/tension/bend	Snub	
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	800	630	650
ST2800	5	6.7	13.5	18.1	1000	800	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

### THICKNESS OF THE BELT

To calculate the thickness of the belt please add the total thickness of the covers to the cord diameter. To determine the approximate belt weight per square meter simply multiply the sum of the covers by 1.15 and add the result to the carcass weight. **Please note that for fire resistant belts other weights may apply.**

\* The load support of a belt is a factor of the belt width, belt strength and bulk material density. The table indicates the minimum belt width required for good troughability based on three idlers of the same length set at 30°.

Other carcass constructions and belt strengths are available upon request.

### A WIDE RANGE OF COVER QUALITIES

All Dunlop cover qualities are anti-static according to EN ISO 284, REACH (Registration, Evaluation and Authorisation of Chemical substances) regulation EC 1907/2006 compliant and ozone resistant as per EN/ISO 1431.

Dunlop Cover Quality		DIN quality	EN/ISO quality	Permissible temperature °C			Base polymer	Technical Features Application area
				Min. Ambient	Cont. Material	Peak Material		
Abrasion resistant	RA	Y		-30	80	100	SBR	Abrasion resistance for normal 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.
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	K/S	2A/2B	-20	80	90	SBR	Highly fire resistant according to EN 12882 and EN ISO 340.
Oil and fat resistant	ROS	G		-20	80	120	NBR	Oil and fat resistant for products containing minerals oils.

OTHER COVER GRADE QUALITIES FOR SPECIAL APPLICATIONS ARE AVAILABLE UPON REQUEST.

All data and recommendations in this leaflet have been supplied to the best of our knowledge, as accurately as possible and updated to reflect the most recent technological developments. Some products may have been changed or rendered obsolete in the light of more recent technological developments. We cannot accept any responsibility for recommendations based solely on this document.