



Superior Load Support



High Resistance Impact, Ripping Tearing



Excellent Splice Performance

High impact / Heavy duty belts

Trioflex has been designed in line with the modern MPC-trend (minimum ply concept) and can be used very successfully for medium up to the heaviest service conditions, adverse loading conditions and coarse materials. As its name implies, the Trioflex carcass consists of three extremely tough and resilient EP fabric plies that are impervious to moisture and have a low elongation. There is an extra tough rubber layer between the plies. This all adds up to outstanding levels of impact and tear resistance.

- Tensile strengths available from 400 N/mm up to 1250 N/mm
- Wide range of widths available, from 400 mm up to 2200 mm
- High quality cover compounds suitable for -60°C up to +400°C, fire resistant, oil, grease and abrasion resistant
- Higher impact and tear 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

Application areas

Trioflex belts provide superb reliability and durability in a wide cross-section of industries, including the steel industry, blast furnaces, mining and coke industry, ore transport, stone industry and processing industries.

Availability

Trioflex belts are available from stock in 500 and 630 N/mm tensile strengths using the Fenner Dunlop RS (high wear and cut resistance) cover quality. Other tensile strengths and cover grade options can be made to order. Available in widths from 400mm up to 2200mm.

Ozone & UV resistance

Unlike most competitor products (especially those from the Far East), our profiled belts are fully resistant to ozone and ultraviolet light, as verified by EN/ISO 1431 testing. At ground level, ozone acts as a pollutant, increasing the acidity of carbon black surfaces and triggering molecular reactions within the rubber. This leads to surface cracking, which allows moisture and particles to penetrate, and a reduction in tensile strength. Ultraviolet light from sunlight and fluorescent lighting accelerates rubber deterioration by causing photochemical reactions that oxidize the surface, reducing mechanical strength and increasing susceptibility to tearing and ripping. The superior ozone and UV resistance of genuine Fenner Dunlop "Made in Holland" products ensures they last significantly longer.



Custom-made to handle specific tasks

At Fenner Dunlop we produce our own rubber and manufacture all of our products using our own production facilities in the Netherlands. This self-sufficiency enables us to have total control of the quality process as well as the flexibility to create custom-made solutions when they are needed. This includes being able to produce Ultima rubber sheeting in thicknesses from 3mm up to 40mm in roll lengths of up to 100 meters depending on the thickness.



Learn
more about
Fenner Dunlop
Trioflex



COVER GRADES PROPERTIES ▾

	Fenner Dunlop Cover Quality	DIN quality	EN/ISO quality	Permissible temp. °C¹ min.			Base polymer	Technical Features
				Min. Ambient	Cont. Material	Peak Material		
	Abrasion resistant							
	RA	Y		-30	80	100	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.
	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
	Oil resistant							
	ROM	G		-20	80	90	SBR/NBR	Oil and fat resistant for most products with animal and vegetable oils and fats. ²
	ROS	G		-20	80	120	NBR	Oil and fat resistant for products containing mineral oils.
	Fire resistant							
	BV	K/S³	2A/2B	-20	80	90	SBR	Fire resistant for the transport of inflammable and explosive materials according to EN12882 and ISO 340.
	Fire resistant and oil resistant							
	BVROM	K/S³	2A/2B	-20	80	90	SBR/NBR	Combines features of ROM and fire resistance according to EN 12882 and EN ISO 340.
	BVROS	K/S³	2A/2B	-20	80	90	NBR	Combines features of ROS and fire resistance according to EN 12882 and EN ISO 340.

TECHNICAL INFORMATION ▾

Belt type	Carcass thickness (mm)	Carcass weight (kg/m ²)	Pulley diameters ¹			Min. width ² (mm)	Max. belt width (mm) for satisfactory load support with material density of t/m ³ : ²			
			A (mm)	B (mm)	C (mm)		< 0.75	0.75 - 1.51	.5 - 2.5	2.5 - 3.2
T 400/3	4.55	.8	400	315	250	650	1800	1600	1400	1200
T 500/3	4.96	.2	500	400	315	800	2000	1800	1600	1400
T 630/35	.2	6.5	630	500	400	800	2000	1800	1600	1400
T 800/35	.9	7.3	800	630	500	800	2200	2000	1800	1600
T 1000/36	.1	7.4	800	630	500	1000	2200	2200	2000	1800
T 1250/37	.0	8.61	000	800	635	1000	2200	2200	2200	2000

Technical support

When you buy Fenner Dunlop you get more than just top quality products because we have one of the most experienced and highly trained teams of specialists and application engineers in the industry. Our global team provides an unrivalled level of service, visiting our customers on-site, providing technical advice, guidance and practical support.



All data and recommendations in this brochure 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 rendered obsolete in the light of more recent technological developments. We cannot accept any responsibility for recommendations based solely on this brochure.

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