



Profiled belts

High quality profiled conveyor belts for optimum efficiency

Do you need a reliable conveyor belt for steep incline applications? Perhaps 30° or even 40°? Fenner Dunlop has the answer. Our CHEVRON, HIGH CHEVRON, MULTIPROF®, Fishbone and Rufftop profiles are designed for a range of applications: from packed products to bulk material of up to 80 mm lump size. Fenner Dunlop profiles are available in many qualities, including abrasion, heat, fire, oil and fat resistant. All are of the highest quality in order to keep your downtime and costs to a minimum.

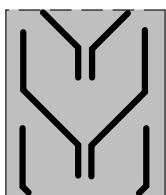
CHEVRON and HIGH CHEVRON

The multi-functional, wear resistant profiled belt for steep angle conveying. The profiles are moulded and vulcanised in one single process together with the belt. One of the advantages of this solid construction is that it allows the use of smaller pulley diameters. The 16 mm high CHEVRON profile is suitable for lump sizes up to 30 mm. The 32 mm high HIGH CHEVRON profile can handle lump sizes up to 80 mm.

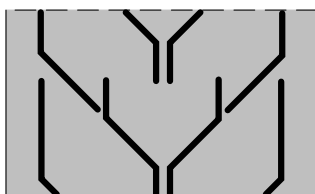
Slope angle

Maximum slope angle approx. 30° for slightly rolling materials such as gravel and coal and for packages such as sacks and bales; approx. 40° for sticky materials such as wet sand and earth.

CHEVRON profile sketch



400 mm wide



500 - 600 - 650 - 800 - 1000 - 1200 mm wide

HIGH CHEVRON profile sketch



All widths

Carcass

SUPERFORT® and DUNLOFLEX® carcass (Plies of Polyester-Nylon (EP) fabric). Strong, low elongation, impervious to moisture.

Belt width

Standard widths from 400 up to 1600 mm, depending on profile.

Cover quality

Available in RA, Betahete and ROS quality. Other qualities available on request.

Belt edges

These belts are supplied with moulded edges.

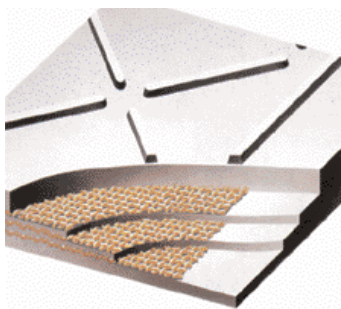
Belt types

Belt width (mm)	Belt type	Profile	Dimensions of the profile			Cover thickness (mm)	Belt thickness (mm)	Belt weight (kg/m)	Minimum pulley diameter (mm)
			Width (mm)	Height (mm)	Pitch (mm)				
CHEVRON									
400	D 250/2	C 330/16	330	16	250	2+1.5	6.5	3.9	250 *
500	D 250/2	C 430/16	430	16	250	2+1.5	6.5	5.2	250 *
600	D 250/2	C 530/16	530	16	250	2+1.5	6.5	6.0	250 *
650	D 250/2	C 530/16	530	16	250	2+1.5	6.5	6.4	250 *
650	S 400/3	C 530/16	530	16	250	3+1.5	7.7	7.2	315
800	S 400/3	C 650/16	650	16	333	3+1.5	7.7	8.5	315
1000	S 400/3	C 800/16	800	16	333	3+1.5	7.7	10.2	315
1200	S 500/4	C 1000/16	1000	16	333	3+2	9.3	14.5	500
HIGH CHEVRON									
500	D 250/2	HC 450/32	450	32	250	2+1.5	6.5	6.2	315
600	D 250/2	HC 450/32	450	32	250	2+1.5	6.5	6.9	315
650	D 250/2	HC 450/32	450	32	250	2+1.5	6.5	7.3	315
650	D 250/2	HC 600/32	600	32	333	2+1.5	6.5	7.5	315
650	S 400/3	HC 450/32	450	32	250	3+1.5	7.7	8.2	315
800	S 400/3	HC 600/32	600	32	333	3+1.5	7.7	9.7	315
1000	S 500/4	HC 800/32	800	32	333	4+2	10.3	14.7	500
1200	S 500/4	HC 1000/32	1000	32	333	4+2	10.3	17.3	500
1400	S 500/4	HC 1200/32	1200	32	333	4+2	10.3	21.6	500
1600	S 500/4	HC 1200/32	1200	32	333	4+2	10.3	24.0	500

Other constructions available on request.

* For ROS and Betahete quality the pulleys should be selected one step larger in diameter.

MULTIPROF®



Application area

The definitive multi-functional profiled belt for inclined conveying. Suitable for a wide range of bulk and packed products; from agricultural products, woodchips and wet sand to boxes, bags and baggage. MULTIPROF® has good drainage qualities, runs quietly, is simple to clean and can be supplied for every type of installation.

Carcass

SUPERFORT® and DUNLOFLEX® carcass (EP fabric plies). Impervious to moisture, low elongation, high tensile strength.

Belt width

Standard widths from 550 up to 1200 mm.

Cover quality

Available in RA, Betahete, ROM and ROS quality. Other qualities available on request.

Belt edges

These belts are supplied with solid rubber edges.

Belt types

D 250/2	S 400/3
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Other belt types for special applications on request.

Wide range of cover qualities

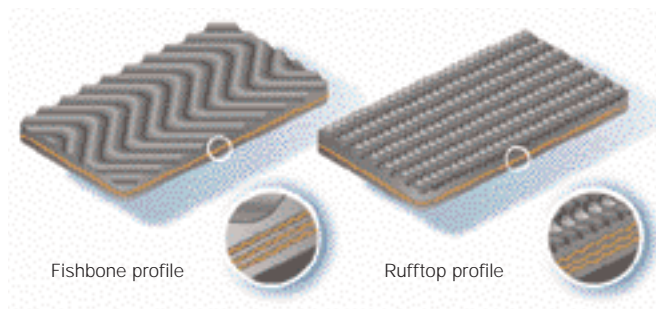
Fenner Dunlop quality		DIN quality	Permissible temp. °C *			Basic raw material	Technical features Application area
			Min.	Cont.	Max.		
Abrasion resistance	RA	Y	-30	80	100	SBR/NR	High abrasion resistance for normal service conditions.
Heat resistant	Betahete	T	-20	130	150	SBR	Heat resistant for materials at high temperatures.
Oil and fat resistant	ROM ** ROS	G G	-20 -20	80 80	90 120	SBR/NBR NBR	Oil and fat resistant for most products with animal and vegetable oils and fats. Oil and fat resistant for products containing mineral oils.

* The temperatures specified refer to the material that is to be transported on a conveyor belt.

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

Other qualities for special applications are available on request.

Fishbone and Rufftop



Application area

The reliable profiled belt for conveying packed goods such as cardboard boxes, jute and cement sacks and crates. Fishbone is equally suitable for conveying loose - loaded material in troughed installations. Both Fishbone and Rufftop are available in slider belt construction. Depending on the application, both these profiled belts can be used for inclined conveying.

Carcass

SUPERFORT® carcass (EP fabric plies). Strong, low elongation, impervious to moisture.

Belt width

Fishbone up to 1150 mm. Rufftop up to 2000 mm.

Cover quality

Available in RA, ROM and ROS quality. Other qualities available on request.

Belt edges

These belts are supplied with cut and sealed edges.

General remarks

The choice of the correct belt type and cover quality depends on a number of factors. Therefore it is necessary to give as much information as possible. The final choice will depend on the operating conditions, which vary in each company.

In case of doubt it is advisable to contact our Application Engineering department. They can provide you with advice and practical assistance in selecting the best belt

type for your specific application. The department offers expertise in conveyor belt technology and advanced computer systems for calculating belt specifications.

Our own splicing service is at your disposal for training and on-site splicing of our conveyor belts.

For more detailed information on the different products of Fenner Dunlop, please contact the sales offices below.

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