
Premium line of single carcass construction conveyor belts.
www.fennerdunlopamericas.com
FENNER DUNLOP
CONVEYOR BELTING
XSERIES
CONVEYOR BELTS FOR
THE HEAVIEST-DUTY APPLICATIONS
USFLEX ULTRAX NOVAX

Premium conveyor belting specifically engineered to remove the need for multiple plies.

Here's the Facts

The X Series is Fenner Dunlop's premium line of single carcass construction conveyor belts.

We offer a straight warp weave and two variations of the dual crimp weave (only dual crimps on the market).

X Series belts are specifically engineered to remove the need for multiple plies.

X Series belts are stronger & tougher than standard plied belts.

Our Commitment to Sustainability

Fenner Dunlop's X Series conveyor belts are engineered to last longer than typical plied belting in rigorous applications due to their unique carcass constructions. Because these belts are so robust, our customers greatly benefit from requiring less replacement belts which combats unnecessary waste. Since less replacements belts are required, less materials, energy and resources are used in the long run of the conveyor belt manufacturing process.

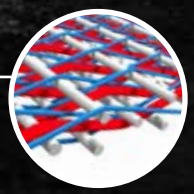
.people .planet .profit

SUSTAINABILITY

FENNER DUNLOP
CONVEYOR BELTING

Table of contents

The X Series™ Group by Fenner Dunlop Conveyor Belting



All Fenner Dunlop Fabric Carcasses are Weaved & Treated in **Lavonia, GA.**

PROUD TO BE NORTH AMERICAN MADE

Weaving Facility
Lavonia, GA

We have invested more than $150MM in our North American plants, and are proud to have the longest press in the world. Each of our 4 ISO 9001 Certified manufacturing facilities delivers measurable, sustainable results in the field, day in and day out.

We research, test and develop using our own facilities. Every compound batch is quality tested in the laboratory before it is used in belt production. Every foot of Fenner Dunlop belt undergoes the toughest quality checks throughout the production process.

We use only the very best materials in the production of each of our belts. We specially design all our rubber compounds to deliver maximum performance.

We are the only manufacturer to use a state-of-the-art fabric treating process to maximize rubber to fabric adhesion, eliminating belt delamination failures. We pair this technology with advanced production equipment in our three facilities in Ohio and Ontario.

We are proud of our new calender machine that has the latest high-pressure rollers to finish and smooth our carcass and cover compounds.

Manufacturing Plant
Port Clinton, OH

***The Result* = Unmatched Conveyor Belting Performance**

FENNER DUNLOP CONVEYOR BELTING

HEAVY DUTY

APPLICATIONS

- Coal Mining
- Limestone
- Precious Metals
- Salt Mining
- Coal-Fired Power Plants
- Potash and Aggregates

Tough Belts for Tough Applications

XSERIES USFLEX NOVAX ULTRAX

UsFlex®

Not only were we the first to market with a straight warp carcass design, we are also 2x more rip resistant vs. competitors.

Heavy weight straight weave with binding cords that are the most durable for the toughest conveyor applications.

Nova–X™

The Nova-X carcass can handle the toughest aggregates applications from primary to secondary crushers where premium products are required. This carcass offers unsurpassed impact and puncture resistance, excellent load support and longer service life than typical plied belting.

Nova–Xtreme™

The Nova-Xtreme carcass is engineered to handle high heat applications. This unique carcass offers stronger adhesions due to the elimination of skim rubber and is more flexible around pulleys.

Ultra X™

Ultra X will exceed your performance expectations while remaining an economical belting option. The unique design of the Ultra X fabric offers improved rip, tear and impact resistance over its predecessor. It also provides excellent mechanical fastener retention and finger splice compatibility.

USFLEX

Application: **Heavy duty bulk material handling applications**

Carcass: **Revolutionary straight-warp weave carcass**

“We used to replace our belts every three to six months before we started fitting UsFlex belts. UsFlex really is an amazing belt.”

— **Quarry manager,** Aggregates quarry

UsFlex® is a member of the X Series™ Group

UsFlex® belting engineered for enhanced rip, tear and impact resistance for longer belt life in tough applications.

Key applications: Conveyor belts that follow primary and secondary crusher.

Why is UsFlex so strong?

Fenner Dunlop UsFlex is a revolutionary concept in straight-warp conveyor belts. We use heavyweight straight yarns in parallel planes – lengthwise and crosswise – locked together with a unique binder to concentrate belt strength.

Our parallel planes reinforce like the **multiple plies of traditional belts** but without the crimping that weakens and stretches the yarn. Our binder is a built-in breaker to resist impacts and punctures.

3x

IMPACT RESISTANCE UP TO THREE TIMES GREATER

Key Components:

Weft | Binder Warp | Straight Warp

Carcass Construction:

S Series
Single Unit Construction

D Series
Dual Unit Construction

200	300	400	500	600	800	1000	1200	1500	1800	2000
S2	S3	S4								
			D5	D6	D8	D10	D12	D15	USFLEX	
									D18	D20
			DW5	DW6	DW8	DW10	DW12	DW15		

Fenner Dunlop UsFlex – Often Replicated But Never Duplicated

UsFlex straight warp carcass – The first and always the best.

Longer belt life in tough services.

Greater cost savings per ton conveyed.

More tonnage produced due to less down time.

Excellent load support, troughability, and tracking.

Superior rip, tear and impact resistance.

Impact resistance up to three times greater that traditional plied belt constructions.

Longitudinal rip resistance more than five times of the equivalent rated multi-ply belt.

Flex variations available

UsFlex W / KordFlex / GrainFlex / MineFlex / LongFlex
LongFlex W / Double UsFlex / PowerFlex

REVOLUTIONARY HIGH STRENGTH FIBERS IN OUR TOP OF THE LINE STRAIGHT WARP CARCASS

While traditional plied belting utilizes a conventional crimp-weave fabric in plain or crow's foot patterns, the UsFlex® straight-warp carcass construction incorporates a completely different concept. The lengthwise and crosswise belt strength is concentrated in parallel planes of heavyweight, high-tenacity straight yarns which are then locked together by a unique binder system.

Each of these planes provides the reinforcing effect of multiple plies of conventional fabric with no crimping to weaken the yarns and cause stretch. The carcass binder system acts as a built-in breaker to resist impact and puncture damage.

USFLEX®

US — Ultra strength

FLEX — Best in class straight warp fabric

KORDFLEX

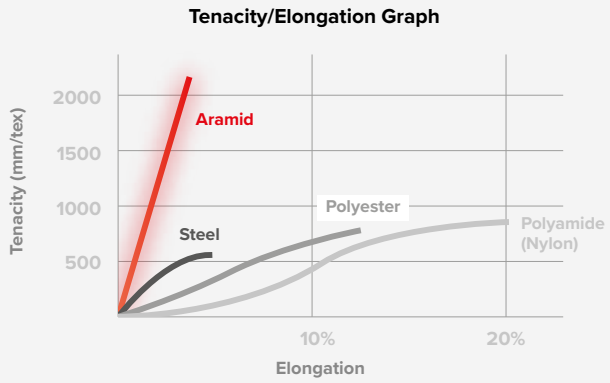
ARAMID REINFORCED

Premium aramid reinforced straight warp carcass

Like steel, Aramid fibers offer high tenacity, low elongation, and good thermal stability. But unlike steel, Aramid retains low density, chemical and fatigue resistance, and the positive handling qualities of synthetic fiber.

We use heavyweight straight yarns in parallel planes-lengthwise and crosswise. The carcass binder is a built-in breaker that resists impact & puncture.

Tensile Properties of Different Materials



- Longer belt life in tough service
- Low stretch belt with elongation similar to that of steel cord.
- Lighter weight for more energy savings/ton
- Less downtime, faster splicing than steel cord
- Greater rip, tear and impact resistance
- Excellent load support, troughability and tracking
- Longitudinal rip resistance more than five times plied or steel cord belts

DYNAFLEX

BREAKER FABRICS

DynaFlex™ breaker fabrics are engineered with the properties and characteristics of our premium UsFlex® carcass construction.

DynaFlex™ is used primarily as a breaker fabric for our DynaFlight™ steel cord belting and in some cases for select fabric carcasses.

For protection beyond detection use the new standard in breaker fabrics: DynaFlex™.

Property	**DynaFlex I**	**DynaFlex II**	**Standard** (typical 250 lb breaker)
Rip Resistance	**Excellent**	**Good**	OK
Lengthwise Tear Resistance	**Excellent**	**Good**	OK
Crosswise Tear Resistance	**Excellent**	**Good**	OK
Impact Energy	**Excellent**	**Good**	OK

LEARN MORE ABOUT THE USFLEX® FAMILY PRODUCTS

UsFlex® Technical Data

USFLEX

Fenner Dunlop Usflex® Belting

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
Number of Plies	1	1	1	1	1	2	2	2	2	2	2	2	2
Carcass Gauge (in)	0.075	0.095	0.132	0.146	0.175	0.244	0.278	0.320	0.340	0.388	0.446	0.468	0.468
Carcass Weight (lbs/in/ft)	0.020	0.024	0.041	0.044	0.056	0.103	0.113	0.130	0.140	0.162	0.188	0.212	0.212
Elastic Modulus (lbs/in)	25 000	30 000	40 000	40 000	45 000	50 000	60 000	65 000	70 000	85 000	90 000	150 000	213 000

Conveyor Belt Specifics

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
Max Tension Rating (PIW)	200	245	330	440	550	550	660	800	1 000	1 250	1 500	1800	2 000

Troughing/Empty – Min Belt Width (in)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
20 degree idlers	14	16	20	24	24	24	24	30	30	30	30	36	36
35 degree idlers	18	20	24	30	30	30	30	36	36	36	36	42	42
45 degree idlers	0	24	30	36	36	36	36	42	42	42	42	48	48

Load Support – Max Belt Width (in)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
20 deg idlers 0 – 40 lbs/ft³	42	60	72	84	84	84	84	84	84	84	84	96	96
20 deg idlers 41 – 80 lbs/ft³	36	48	66	72	72	84	84	84	84	84	84	96	96
20 deg idlers 81 – 120lbs/ft³	30	42	60	66	72	84	84	84	84	84	84	96	96
20 deg idlers over 120 lbs/ft³	0	36	48	60	66	72	72	84	84	84	84	96	96
35 deg idlers 0 – 40 lbs/ft³	36	48	66	72	72	84	84	84	84	84	84	96	96
35 deg idlers 41 – 80 lbs/ft³	30	36	54	60	66	72	84	84	84	84	84	96	96
35 deg idlers 81 – 120 lbs/ft³	24	36	48	54	60	66	72	84	84	84	84	96	96
35 deg idlers over 120 lbs/ft³	0	30	42	48	54	60	72	84	84	84	84	96	96
45 deg idlers 0 – 40 lbs/ft³	0	42	54	60	66	72	84	84	84	84	84	96	96
45 deg idlers 41 – 80 lbs/ft³	0	36	48	54	60	72	84	84	84	84	84	96	96
45 deg idlers 81 – 120 lbs/ft³	0	30	42	48	54	60	72	84	84	84	84	96	96
45 deg idlers over 120 lbs/ft³	0	24	36	42	48	54	66	72	72	84	84	96	96

Minimum Pulley Diameters (in)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
81 – 100% belt rated tension	8	10	14	16	20	24	30	36	36	36	36	42	42
61 – 80% belt rated tension	7	8	12	13	16	20	24	24	30	30	30	36	36
Up to 60% belt rated tension	5	6	9	10	12	15	18	20	22	24	24	30	30

Elevator Belt Specifics

Maximum Tension Rating (PIW)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
"Grain, Wood Chip" Service (50 lbs/ft³)	170	208	280	374	468	468	560	680	850	1 063	1 275	1 530	1 700
"Industrial" Service (100 lbs/ft³)	150	184	248	330	413	413	495	600	750	938	1 125	1 350	1 500

Minimum Pulley Diameters (in)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
81 – 100% belt rated tension	8	10	14	16	20	24	30	36	36	36	36	42	42
61 – 80% belt rated tension	7	8	12	13	16	20	24	24	30	30	30	36	36
Up to 60% belt rated tension	5	6	9	10	12	15	18	20	22	24	24	30	30

Maximum Bucket Projection (in)

Carcass Style	S1	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	D18	D20
"Centrifugal" Elevators	7	8	10	10	10	12	14	15	16	17	18	18	18
"Continuous" Elevators	6	7	9	10	12	13	15	16	18	20	22	22	22

UsFlex® W Technical Data

Fenner Dunlop Usflex® W Belting

Carcass Style	W5	W6	W8	W10	W12	W15
Number of Plies	2	2	2	2	2	2
Carcass Guage (in)	0.228	0.264	0.298	0.334	0.368	0.404
Carcass Weight (lb/in/ft)	0.092	0.114	0.126	0.139	0.163	0.175
Elastic Modulus (lbs/in)	60,000	65,000	70,000	80,000	100,000	120,000

Conveyor Belt Specifics

Carcass Style	W5	W6	W8	W10	W12	W15
Max. Tension Rating (PIW)	500	600	800	1 000	1 250	1 500

Troughing/Empty – Min. Belt Width (in)

Carcass Style	W5	W6	W8	W10	W12	W15
20 degree idlers	24	24	30	30	30	30
35 degree idlers	30	30	36	36	36	36
45 degree idlers	36	36	42	42	42	42

Load Support – Max. Belt Width (in)

Carcass Style	W5	W6	W8	W10	W12	W15
20 deg idlers 0 – 40 lbs/ft³	84	84	84	84	84	84
20 deg idlers 41 – 80 lbs/ft³	84	84	84	84	84	84
20 deg idlers 81 – 120lbs/ft³	84	84	84	84	84	84
20 deg idlers over 120 lbs/ft³	66	84	84	84	84	84
35 deg idlers 0 – 40 lbs/ft³	84	84	84	84	84	84
35 deg idlers 41 – 80 lbs/ft³	84	84	84	84	84	84
35 deg idlers 81 – 120 lbs/ft³	84	84	84	84	84	84
35 deg idlers over 120 lbs/ft³	60	66	84	84	84	84
45 deg idlers 0 – 40 lbs/ft³	66	84	84	84	84	84
45 deg idlers 41 – 80 lbs/ft³	66	84	84	84	84	84
45 deg idlers 81 – 120 lbs/ft³	60	84	84	84	84	84
45 deg idlers over 120 lbs/ft³	54	60	66	84	84	84

Minimum Pulley Diameters (in)

Carcass Style	W5	W6	W8	W10	W12	W15
81 – 100% belt rated tension	25	30	32	36	40	42
61 – 80% belt rated tension	20	24	26	29	32	34
Up to 60% belt rated tension	15	18	20	22	24	26

Elevator Belt Specifics

Maximum Tension Rating (PIW)

Carcass Style	W5	W6	W8	W10	W12	W15
"Grain, Wood Chip" Service (50 lbs/ft3)	425	510	680	850	1 063	1 275
"Industrial" Service (100 lbs/ft3)	375	450	600	750	938	1 125

Minimum Pulley Diameters (in)

Carcass Style	W5	W6	W8	W10	W12	W15
81 – 100% belt rated tension	25	30	32	36	40	42
61 – 80% belt rated tension	20	24	26	29	32	34
Up to 60% belt rated tension	15	18	20	22	24	26

Maximum Bucket Projection (in)

Carcass Style	W5	W6	W8	W10	W12	W15
Centrifugal Elevators	11	13	13	14	15	16
Continuous Elevators	11	13	13	14	15	16

NOVAX NOVA-XTREME

Nova–X® *and* ***Nova–Xtreme™*** *are members of the X Series™ Group*

Nova–X™ and Nova–Xtreme™

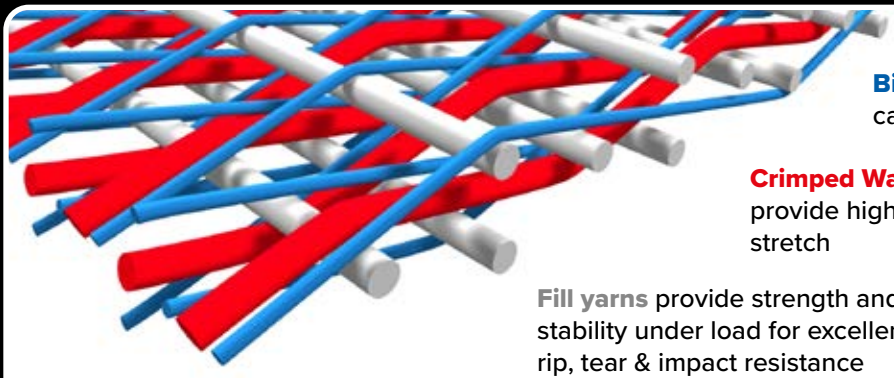
The Nova-X carcass can handle tougher aggregate applications from sand to gravel to primary and secondary crushers. A flexible belt core and technologically advanced solution for faster, more reliable bulk material conveyors.

Application: **Medium to heavy duty bulk material handling applications**

Carcass: **Patented dual crimp weave**

Underground: Copper, Gold, Limestone, Potash, Salt

Above Ground: Coal-Fired Power Plants, Coal Preparation Plants, Rock & Aggregate



Binder yarns lock the carcass together

Crimped Warp polyester yarns provide high strength and low stretch

Fill yarns provide strength and stability under load for excellent rip, tear & impact resistance

DUAL CRIMP WEAVE CONSTRUCTION

FENNER DUNLOP'S INNOVATIVE FLEXIBLE CORE FABRIC CONVEYOR BELT

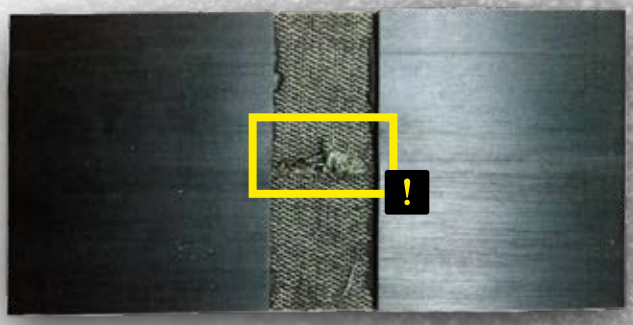
The fabric construction and treatment process result in enhanced resistance to edge ravel, moisture, mildew and acid mine water.

- **Excellent resistance to rip, tear and impact puncture thanks to a technologically advanced and patented fabric belt design.**
- **The unique fabric weave allows for improved mechanical fastener retention and splice life.**
- **The smaller gauge of the Nova-X carcass compared to similar tension rated multi-plied fabric belting allows for smaller diameter pulleys throughout the conveyor system as well as superior troughability, tracking and load support.**
- **Can be used with all Fenner Dunlop cover compounds.**
- **Now available with Giant XE, a premium Grade 1 ARPM cover compound with high durability, low extraction and excellent abrasion resistance.**
- **Available in 300, 400 and 600 PIW.**

Fenner Dunlop Nova-X® vs. Premium Standard Multi-Ply Belt

Nova-X® withstands the impact punishment.

NOVAX



Premium Standard Multi-Ply Belt

> *Fenner Dunlop Belting has been nothing but phenomenal for us. **I can run 8,000-9,000 tons per day** on my belts and not ever have to worry about system performance... that is saying something. With Fenner Dunlop, I get the job done and have zero down-time.*
>
> *— Korey Kibodeaux, Quarry Plant Manager*

BLUE WATER INDUSTRIES

PATENTED DUAL CRIMP WEAVE

Fenner Dunlop Nova-X® Belting

Carcass Style	F3	F4	F6
Belt Style	1- 300	1 - 400	1 - 600
Number of Plies	1	1	1
Carcass Gauge (in)	0.115	0.146	0.186
Carcass Weight (lb/in/ft)	0.038	0.044	0.067
Elastic Modulus (lbs/in)	30 000	35 000	40 000
Carcass Safety Factor	10:1	10:1	10:1

Conveyor Belt Specifics

Carcass Style	F3	F4	F6
Max. Tension Rating (PIW)	300	400	600

Troughing/Empty - Min Belt Width (in)

Carcass Style	F3	F4	F6
20 degree idlers	18	20	24
35 degree idlers	20	24	30
45 degree idlers	24	30	36

Load Support – Max Belt Width (in)

Carcass Style	F3	F4	F6
20 deg idlers 0 – 40 lbs/ft3	72	84	84
20 deg idlers 41 – 80 lbs/ft3	66	72	72
20 deg idlers 81 – 120 lbs/ft3	60	66	72
20 deg idlers over 120 lbs/ft3	48	60	66
35 deg idlers 0 – 40 lbs/ft3	66	72	72
35 deg idlers 41 – 80 lbs/ft3	54	60	66
35 deg idlers 81 – 120 lbs/ft3	48	54	60
35 deg idlers over 120 lbs/ft3	42	48	54
45 deg idlers 0 – 40 lbs/ft3	54	60	66
45 deg idlers 41 – 80 lbs/ft3	48	54	60
45 deg idlers 81 – 120 lbs/ft3	42	48	54
45 deg idlers over 120 lbs/ft3	36	42	48

Minimum Pulley Diameter (in)

Carcass Style	F3	F4	F6
81 – 100% belt rated tension	14	16	20
61 – 80% belt rated tension	12	13	16
41 – 60% belt rated tension	9	10	12

Elevator Belt Specifics

Maximum Tension Rating (PIW)

Carcass Style	F3	F4	F6
"Grain, Wood Chip" Service (50 lb/ft3)	255	340	510
"Industrial" Service (100 lbs/ft3)	225	300	450

Minimum Pulley Diameter (in)

Carcass Style	F3	F4	F6
81 – 100% belt rated tension	14	16	20
61 – 80% belt rated tension	12	13	16
40 – 60% belt rated tension	9	10	12

Maximum Bucket Projection (in)

Carcass Style	F3	F4	F6
"Centrifugal" Elevators	10	10	12
"Continuous" Elevators	9	10	13

FENNER DUNLOP CONVEYOR BELTING

OptimaHeat XTREME

- **Cement Plants**
- **Steel Production/ Foundries**
- **Lime Plants**
- **Coking Plants**
- **Iron Ore Plants**
- **Taconite Processing Plants**

OH OptimaHeat — COVER

OptimaHeat cover compound retains its heat resistance after continuous operation up to 400 °F, with minimal abrasion degradation. This new proprietary cover resists hardening and cracking while retaining its flexibility when running under extreme and high heat conditions.

- **Better heat aging**
- **Better abrasion resistance**
- **Improved cracking resistance**
- **400°F/200°C of maximum continuous operating temperature**
- **Peak temperature of 750 °F and 400 °C**

NOVA-XTREME — CARCASS

Nova-X Family of carcasses can handle the toughest aggregates applications from sand and gravel to primary crushers where premium products are required. Our brand new patented dual crimp weave carcass, Nova-Xtreme, was designed specifically for high heat applications.

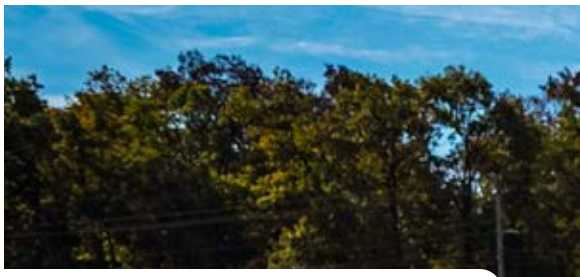
- **Stronger adhesions due to both the elimination of between ply skim rubber and a special weave to increase surface area**
- **More flexible around pulleys due to specially designed carcass made for higher heat applications**
- **Maintains impact, rip and tear resistance of an X Series carcass under extreme and high heat conditions**

We Beat the Heat!

Patented Dual Crimp Weave Carcass

New Rubber Compound with Peak Temperatures up to 750 °F

Of all the demands placed on conveyor belts, heat is usually the most unforgiving and damaging. High-temperature environments accelerate the aging process, which hardens the fabric and causes damage to the belt. Heat also has seriously harmful effects on the belt carcass. It progressively reduces the adhesion between the rubber compounds and the fabric plies. Extreme heat hardens the carcass effectively destroying its operational strength and flexibility. Nova-Xtreme eliminated the fabric plies by employing a single unit design and utilizes a specially designed flexible fabric.



NOVA-XTREME

Carcass	Trough Angle (deg)	Min. Belt Width (in)	Max. Belt Width for Load Support (in)				Pulley Diameter (in)		
			0-40 (lbs/ft³)	40-80 (lbs/ft³)	80-120 (lbs/ft³)	> 120 (lbs/ft³)	High Tens.	Med Tens.	Low Tens.
H3	20	18	72	66	60	48	11	9	7
	35	20	66	54	48	42			
	45	24	54	48	42	36			

Carcass Comparisons

Test	PSR3-375	PSR4-440	Nova-X F4	UsFlex S4	PSR3-600	Nova-X F6	UsFlex D6
Longitudinal Tensile Strength (PIW)	3,750	4,400	4,000	4,000	6,000	6,000	6,600
Safety Factor	10 to 1	10 to 1	10 to 1	10 to 1	10 to 1	10 to 1	10 to 1
Impact Resistance (ft · lb)	100	100	750	760	250	775	1200
Longitudial Tearing Resistance (lb)	400	500	3,500	3,500	2,800	4,500	5,500
Transverse Tearing Resistance (lb)	400	500	1,500	5,000	1,000	4,000	5,000
Longitudial Rip Resistance (lb)	1,200	1,400	6,000	8,000	3,200	7,000	9,000
Fastener Safety Factor (Flexco R5)	4 to 1	4 to 1	5 to 1	4 to 1	4 to 1	5 to 1	4 to 1
Elastic Modulus (lbs/in)	45,000	55,000	35,000	40,000	72,000	40,000	60,000
Min. High Tension Pulley Diameter (in)	20	22	16	16	24	20	30
Min. Belt Width for Empty Troughing on 35 deg (in)	24	30	24	30	30	30	30
Carcass Weight (lb/in/ft)	0.089	0.103	0.044	0.048	0.114	0.067	0.113
			NOVAX	USFLEX		NOVAX	USFLEX

X SERIES®GROUP MEMBER

ULTRAX

Application: **General light and medium duty bulk material handling applications**

Carcass: **Dual crimp weave carcass**

Single unit construction with patented dual crimp weave design offers superior carcass adhesion in both wet and dry applications.

Improved rip, tear, and impact resistance compared to import and typical domestic belting products.

Excellent mechanical fastener retention and can utilize Fenner Dunlop finger splice technology.

Great replacement for import belts: similar price point, but better quality and longevity.

Fenner Dunlop will help you maximize your uptime by reducing belt damage, premature wear and costly repairs.

Best Crimp-Weave carcass avaiable on the market

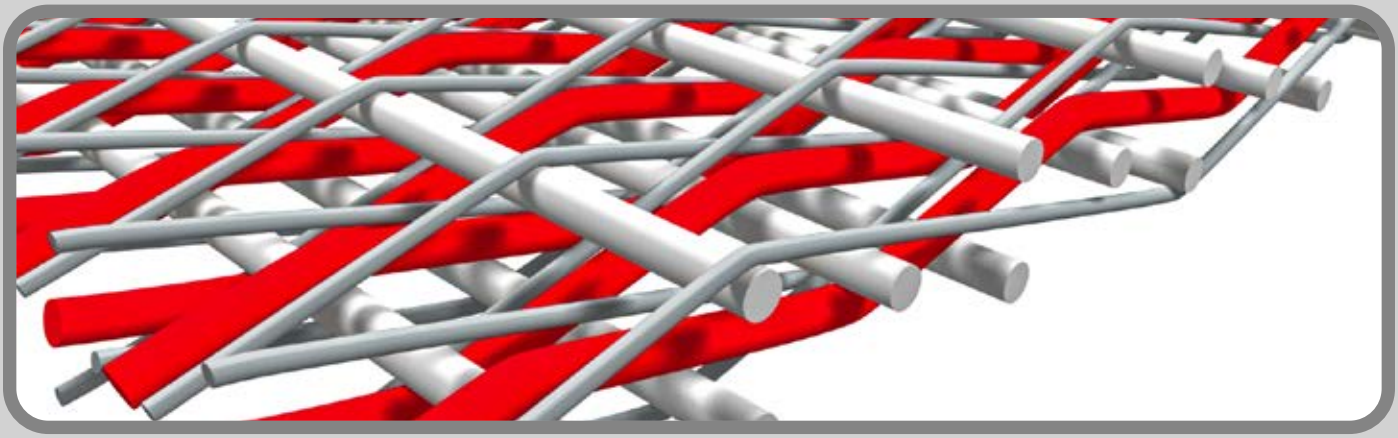
OUR DIFFERENCE

- Proprietary Cover Compound
- Superior carcass rubber adhesions
- Available in 275, and 350 PIW constructions
- New finger splice design optimizing both performance and fabrication efficiency
- Produced for stock in our North American warehouse for rapid delivery
- Available in 24, 30, 36, and 42 in. (609, 762, 914, 1066mm)
- Available in 1,200ft (365m) increments (Full ruckload/container load shipments)
- Significantly better rip, tear, and impact performance compared to typical plied belting
- Safety Factor greater than 8:1

Best for the following markets

- **Aggregates**
- **Cement**
- **Sand & Gravel**
- **Recycling**

Similar weave to the Nova-X carcass, but a lighter weight style.



The design elements of the Ultra X help to avoid costly repairs, downtime and potentially detrimental damage to the belt, which are all common issues with low-priced/low-quality belting options.

Ultra X belting is kept in inventory at our manufacturing facilities and throughout our North American distribution network to ensure a quick turnaround and fast delivery.

Cover Compounds

Abrasion	Cut/Gouge	Cold Resistant	Fire Retardant	Heat Resistant	Oil Resistant	Power Saver	Low Extraction	Non-Stick
ARPM Grade II	ARPM Grade I	*not available*	*not available*	*not available*	*not available*	*not available*	*not available*	*not available*

If your operations require a cover compound not available for **Ultra X**, we've got you covered. We have a variety of cover compound and carcass combinations available to meet your specific bulk material handling needs. Contact us today to learn about other carcass and cover combinations available within our product line.

FENNER DUNLOP CONVEYOR BELTING

Ultra X vs. Competitor Economical Plied Belting

	Typical Plied Belt		ULTRAX		
Test	**2-200**	**3-330**	**X1 200**	**X2 275**	**X3 350**
Impact Resistance (ft · lb)	75	100	75	150	225
Longitudial Tearing Resistance (lb)	200	300	900	1500	3000
Transverse Tearing Resistance (lb)	150	250	500	800	1200
Longitudial Rip Resistance (lb)	700	800	2000	3000	4500
Elastic Modulus (lbs/in)	26,000	29,000	25,000	30,000	35,000
Min. High Tension Pulley Diameter (in)	14	18	14	16	18
Min. Belt Width for Empty Troughing on 35 deg (in)	18	24	18	20	24
Carcass Weight (lb/in/ft)	0.046	0.066	0.023	0.027	0.037

Tough Belts for
Tough Applications

Fenner Dunlop is proud to offer the hardest working and longest-lasting conveyor belts in the world. We make our belts ourselves including weaving and treating our own fabric, within North America. We do not import from other manufacturers in Asia or elsewhere. We set the standard for Conveyor Belts with our involvement in CEMA and ARPM. For over 150 years, we have tested, researched, tested and developed our products using our own facilities. We employ world-leading experts who will ensure your belts last a lifetime!

(800) 661-2358
Industrial and Mining Conveyor Belting Sales

Fenner Dunlop
200 Corporate Center Drive, Suite 220
Coraopolis PA 15108

Phone: 412-249-0700
Fax: 412-249-0701

fennerdunlopamericas.com

FENNER DUNLOP
CONVEYOR BELTING

Sir Speedy's paper supply is from vendors who ensure their products are responsibly sourced and made. Our paper suppliers support sustainable forestry by upholding the chain-of-custody standards for FSC™, SFI ®, PEFC™

SUSTAINABLE FORESTRY INITIATIVE

FSC www.fsc.org FSC® C020030 The mark of responsible forestry

PEFC

Fenner Dunlop's literature is produced on paper that is:

- FSC Mix 70%
- SFI certified
- Total Chlorine Free
- Process Chlorine Free
- Acid Free/Alkaline
- Elemental Chlorine Free
- 10% Post Consumer Waste
- 10% Total Recycled Value