



OptimaHeat XTREME

Next Generation Single Unit Carcass
Designed for High Heat Applications

Applications: Cement Clinker, Lime, Calcined Coke, Iron Ore,
Hot Powdery Materials (i.e. Casting Sands at a Foundry), Sintered Ore,
Taconite Pellets, Alumina

Carcass: Nova-Xtreme® Dual Crimp Weave Carcass

We Beat the Heat!

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.



**Patented Dual Crimp
Weave Carcass**



**New Rubber Compound with
Peak Temperates up to 750 °F**

Next Generation Hot Belt has arrived!

The name stems from the Latin word “Optima,” which refers to the greatest degree attained under specified conditions. And that is what we have done; created a carcass and cover combination single unit product that will last longer in higher heat conditions. Re-designed from the inside out, OptimaHeat Xtreme contains enhanced properties across the board, with superior adhesion strength, better abrasion resistance, more reliable vulcanized splices, and the ability to resist hardening and cracking while carrying hot materials up to 750 °F. Optimize your belt life in higher heat applications with OptimaHeat Xtreme, a Fenner Dunlop X Series Conveyor Belt.



We are here to help!

Please contact your local sales representative for any questions and availability.

Call us: (800) 661-2358 / **E-mail:** info@fennerdunlopamericas.com

Key Markets



Cement Plants



Steel Production/Foundries



Lime Plants



Coking Plants



Iron Ore Plants



Taconite Processing Plants

Key Features

- ✓ New flexible and robust single unit carcass designed for higher heat applications (Nova-Xtreme).
- ✓ New proprietary cover compound designed to beat the heat (OptimaHeat).
- ✓ New splice design and technique makes finger splicing easier, faster, and more effective in higher heat applications.
- ✓ Maximum performance achieved when Nova-Xtreme and OptimaHeat are combined to create OptimaHeat Xtreme, the new leader in high heat resistance belting applications.



**OptimaHeat
XTREME**

OptimaHeat Xtreme is the Total Package

Carcass + Cover combination provides for longest life & lowest cost per ton conveyed in higher heat applications!

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.

Key Characteristics:

- 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.





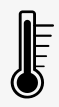




Key Characteristics:

- 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

NOVA-XTREME

Carcass	Trough Angle (deg)	Min. Belt Width (in)	Max Belt Width for Load Support (in)				Pulley Diameter (in)		
			0-40 (lbs/ft ²)	40-80 (lbs/ft ²)	80-120 (lbs/ft ²)	> 120 (lbs/ft ²)	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			

Cover Compounds

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

If your operations require a cover compound not available for OptimaHeat Xtreme, 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.

We are here to help!

Please contact your local sales representative for any questions and availability.

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