



OptimaHeat XTREME

nXt Gen Single Unit Carcass Designed for Higher Heat Applications

Application: Casting Operation at Foundry, Cement Clinker, Coke Plants/ Calcined Coke, Hot Powdery Materials ie Casting Sands at Foundry, Sintered Ore, Taconite Pellets at Taconite Processing Plant, Alumina.

Carcass: Nova-Xtreme® Dual Crimp Weave Carcass.

Withstanding 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 causes the rubber to harden and crack. Heat also has a seriously harmful effect on the belt carcass itself because it damages the adhesion between the cover and the carcass and between the fabric plies contained within the carcass. This causes the belt to fall apart As rubber becomes harder and less elastic due to the exposure to heat the tensile strength and the elongation at break can fall by as much as 80%. This effectively destroys its operational strength and flexibility. At the same time, abrasion resistance can decrease by as much as 40% or more!



Patented Dual Crimp Weave Carcass



A Peak Temperature Up to 750F

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 splice reliability, and the ability to resist hardening and cracking while carrying hot materials up to 750F. 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



Foundries



Lime Plants



Coking Plants



Iron Ore Plants



Taconite Processing Plants

Key Features

- ✓ nXt Gen Single Unit Carcass Designed for Higher Heat Applications
- ✓ New Proprietary cover compound
- ✓ Max performance when carcass (**Nova-Xtreme**) + cover (**OptimaHeat**) used together to create OptimaHeat Xtreme
- ✓ Runs Hotter Materials Further
Consistently lower in cost per ton
- ✓ Resists hardening and cracking while carrying hot materials up to 750F
(Maintaining a belt surface temperature under 400F will maximize belt life.)
- ✓ Superior Abrasion Resistance
- ✓ Manufactured to width
- ✓ More Reliable Vulcanized Splices
- ✓ Lower Operating Costs
- ✓ Reduced Maintenance and Downtime
- ✓ OptimaHeat Xtreme Order Comes with 1 vulcanized splice kit



**OptimaHeat
XTREME**

The Total Package

Carcass + Cover Combination provides for longest life & lowest cost per ton conveyed outcome in higher heat conditions!

OH **OptimaHeat**

COVER

OptimaHeat cover compound retains its heat resistance after continuous operation up to 400 degrees 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
- OptimaHeat has 200C/400F of max continuous operating temperature & a peak temp of 400C/750F peak

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 was designed inside out specifically for high heat applications.





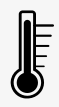




Key Characteristics:

- Stronger Adhesions due to fewer ply's and skim rubber
- More Flexible around larger pulleys due to high heat designed carcass
- Maintains Impact, Rip and Tear benefits 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.

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