


HotShot® It Can Take the Heat!

Some high temperature applications involve localized pockets of fired or hot material. Today's typical thermoplastic carcasses just cannot stand up to such intense, isolated heat. Belt "burn-through" and/or carcass "melt-down" are likely results. Carcass and splice integrity quickly deteriorate and burn away. If your plant's bottom line suffers from such high heat belt degradation, then you need to switch to **HotShot**.

The key to HotShot is its fiberglass carcass, uniquely built into a solid-woven design. The result is no belt burn-through or carcass melt-down even when in contact with isolated pockets of furnace-hot material. Protected by the industry's best performing high heat compound, DeltaHeat®, overall belt integrity is assured with HotShot.

Bottom line, HotShot is your best belting choice for high-spike, high heat material applications.

Applications:

- **Cement clinker**
- **Ore pelletizing plants**
- **Sintering and coking applications**
- **Calcined lime**
- **Smelting and refining operations**
- **Hot foundry/casting plants**
- **Any "yellow/cherry red" material where burn through is a problem**

Reasons to Count on HotShot

- Unique fiberglass carcass, resists burn-through to 1000° F
- Solid-woven weave eliminates risk of ply separation
- Premium cover compound DeltaHeat® provides optimum heat resistance to belt
- Excellent mechanical splice retention
- Minimal belt elongation

HotShot Specification Table - "Imperial" and "Metric"

Carcass Style Number of Plies	HotShot 300 1	
	Imperial	Metric
Carcass Gauge ³ (in / mm)	.140	3.5
Carcass Weight ⁴ (lb/in/ft / kg/m ²)	.053	3.1
Elastic Modulus (lbs/in / N/mm)	95000	16625
Max Tension Rating² (PIW / N/mm)	300	53
Troughing/Empty¹ - Min Belt Width (in / mm)		
20° idlers	18	450
35° idlers	24	600
Load Support¹ - Max Belt Width (in / mm)		
20° idlers (0 - 40 lbs/ft ³ / 0 - 640 kg/m ³)	72	1800
20° idlers (41 - 80 lbs/ft ³ / 641 - 1280 kg/m ³)	66	1700
20° idlers (81 - 120 lbs/ft ³ / 1281 - 1920 kg/m ³)	60	1500
35° idlers (0 - 40 lbs/ft ³ / 0 - 640 kg/m ³)	66	1700
35° idlers (41 - 80 lbs/ft ³ / 641 - 1280 kg/m ³)	54	1400
35° idlers (81 - 120 lbs/ft ³ / 1281 - 1920 kg/m ³)	48	1200
Minimum Pulley Diameters (in / mm)		
81 - 100% belt rated tension	24	600
61 - 80% belt rated tension	22	550
Up to 60% belt rated tension	20	500



- 1 Troughability and Load Support values can be influenced by certain cover gauge and compound combinations used. When in doubt, please contact FDA for selection guidance.
- 2 HotShot tension ratings reflect a minimum 10:1 safety factor. With the appropriate fastener selection and installation, a minimum 4:1 mechanical fastener safety factor can be achieved. (With extreme product temperatures, mechanical fasteners are the preferred splice method.)
- 3 Add the appropriate cover gauge to this carcass gauge to obtain the approximate overall belt gauge.
- 4 Add the appropriate cover weight to this carcass weight to obtain the approximate overall carcass weight.