



 **PATRIOT X** | DATASHEET

PATRIOT X®

The unique design of the Patriot X fabric offers improved, rip, tear and impact resistance.

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

Carcass: **Dual crimp weave carcass**

Patriot X — member of the X Series® Group



The next generation of Patriot Conveyor Belting

Patriot X will exceed your performance expectations while remaining an economical belting option. The unique design of the Patriot X fabric offers improved rip, tear and impact resistance over its predecessor. It also provides excellent mechanical fastener retention and finger splice compatibility. Available in **X2-275** and **X3-350** configurations, this North American made cover and carcass combination is unlike any other product.



Our Difference

- ✓ Proprietary Cover Compound
- ✓ Superior carcass rubber adhesions
- ✓ 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
- ✓ Available in 275, and 350 PIW constructions
- ✓ Significantly better rip, tear, and impact performance compared to typical plied belting

Markets



Aggregates



Sand & Gravel



Cement



Recycling



PATRIOT X



Like all our other belts, Patriot X is manufactured in North America, providing locally made, better quality belting, at a competitive price.



We are here to help!

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

Call us: (813) 247-3620 / E-mail: info@conveyors247.com

Technical Information

Carcass Style	X2-275		X3-350	
Number of Plies	1		1	
Units	<i>Imperial</i>	<i>Metric</i>	<i>Imperial</i>	<i>Metric</i>
Cover Thickness (in/mm)	3/16 x 1/16	4.8 x 1.6	3/16 x 1/16 or 1/4 x 1/16	4.8 x 1.6 or 6.4 x 1.6
Carcass Gauge (in/mm)	0.095	2.5	0.12	3.05
Carcass Weight (lb/in/ft/kg/m ²)	0.053	3.1	0.062	3.6
Elastic Modulus (lbs/in/N/mm)	30,000	5,250	35,000	6,130
Max. Tension Ratings (PIW/N/mm)	275	48	350	61
Minimum Belt Tensile Strength	—	400	—	630
Operating Tension (PIW)				
Troughing/Empty – Min Belt Width (in/mm)				
20° Idlers	16	400	20	500
35° Idlers	20	500	24	600
Load Support Max Belt Width (in/mm)				
20° Idlers (0–40 lbs/ft/0-640 kg/m)	54	1,350	72	1,800
20° Idlers (41–80 lbs/ft/641-1280 kg/m)	48	1,200	66	1,650
20° Idlers (81–120 lbs/ft/1281-1920 kg/m)	42	1,050	54	1,350
35° Idlers (0–40 lbs/ft/0-640 kg/m)	48	1,200	54	1,350
35° Idlers (41–80 lbs/ft/641-1280 kg/m)	42	1,050	48	1,200
35° Idlers (81–120 lbs/ft/1281-1920 kg/m)	36	900	42	1,050
Minimum Pulley Diameters (in/mm)				
81–100% Belt Rated Tension	10	250	14	350
61–80% Belt Rated Tension	8	200	12	300
Up to 60% Belt Rated Tension	7	175	10	250

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 <i>not available</i>	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 Patriot 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.



We are here to help!

Please contact your local sales representative for any questions and availability.
Call us: (813) 247-3620 / E-mail: info@conveyors247.com