

 **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**

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.



Patented dual crimp weave



Alternative for economical plied belting

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 truckload/container load shipments)
- ✓ Significantly better rip, tear, and impact performance compared to typical plied belting
- ✓ Safety Factor greater than 8:1



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

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.

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
not available



Fire Retardant
not available



Heat Resistant
not available



Oil Resistant
not available



Power Saver
not available



Low Extraction
not available



Non-Stick
not available

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!

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