

PATRIOT X[®]

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 X1-200, X2-275, and X3-350 configurations, this North-American-made cover-and-car carcass combination is unlike any other product.



Patriot X is best suited for Light-Medium Duty Applications in the following markets:

- Aggregates (tertiary plants)
- Sand
- Cement (non-heat applications)
- Gravel
- Wood products
- Agricultural products (where oil resistance is not required)
- Other general light- and medium-duty bulk materials handling applications

Features and Benefits

- Proprietary cover compound
- Heat Resistance Class 1 (212° F)
- Superior carcass adhesions in both wet and dry applications
- Available in 200, 275, and 350 PIW constructions
- Unique single unit construction with patented dual crimp warp design
- New finger splice design optimizing both performance and fabrication efficiency
- Produced for stock in our North America warehouse for rapid delivery
- Available in 24, 30, 36, and 42 in. (609, 762, 914, 1066 mm)
- Available in 1,200ft (365m) increments (Full truck load / container load shipments)
- Significantly better rip tear and impact performance compared to typical plied belting
- Safety Factor greater than 8:1

Constantly moving forward!

www.fennerdunlopamericas.com



Carcass Style	X1-200		X2-275		X3-350	
	1		1		1	
Number of Plies	Imperial	Metric	Imperial	Metric	Imperial	Metric
Carcass Style	3/16" x 1/16"		3/16" x 1/16"		3/16" x 1/16" OR 1/4" x 1/16"	
Number of Plies	1		1		1	
Cover Thickness (in/mm)	3/16" x 1/16"	4.8 x 1.6	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)	0.07	1.8	0.095	2.5	0.12	3.05
Carcass Weight (lb/in/ft / kg/m²)	0.023	1.3	0.027	1.5	0.037	2.2
Elastic Modulus (lbs/in / N/mm)	25000	4400	30000	5250	35000	6130
Max Tension Rating (PIW / N/mm)	200	38	275	48	350	61
Designated belt rating (N/mm)						
Minimum belt tensile strength	315		400		630	
Operating Tension (PIW)						
Troughing / Empty - Min Belt Width (in /mm)						
20° idlers	14	350	16	400	20	500
35° idlers	18	450	20	500	24	600
Load Support- Max Belt Width (in/mm)						
20° idlers (0-40 lbs/ft / 0-640 kg/m)	42	1050	54	1350	72	1800
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	36	900	48	1200	66	1650
20° idlers (81 -120 lbs/ft / 1281-1920 kg/m)	30	750	42	1050	54	1350
35° idlers (0-40 lbs/ft / 0-640 kg/m)	36	900	48	1200	54	1350
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	30	750	42	1050	48	1200
35° idlers (81 -120 lbs/ft / 1281-1920 kg/m)	24	600	36	900	42	1050
Minimum Pulley Diameters (in/mm)						
81-100% belt rated tension	14	350	16	400	18	450
61-80% belt rated tension	12	300	14	350	16	400
Up to 60% belt rated tension	10	250	12	300	14	350

**Call Fenner Dunlop Industrial Sales at
800-661-2358
to place your orders today!**

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