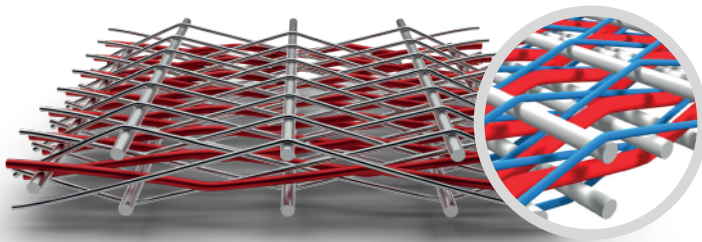


»»X SERIES NOVAX

Fenner Dunlop's innovative flexible core fabric conveyor belt

The Nova-X carcass can handle demanding applications including sand and gravel right through to primary and secondary crushers. In terms of tensile strength, Nova-X is the next step up from Ultra X. It has excellent resistance to rip, tear and impact puncture thanks to its technologically advanced and patented fabric belt design.

- Nova-X has twice the rip resistance and three times the tear resistance of a plied belt of an equivalent tensile strength.
- The unique fabric weave allows for improved mechanical fastener retention and splice life.
- The smaller gauge of the Nova-X carcass compared to similar tension rated multi-ply fabric belting allows for smaller diameter pulleys throughout the conveyor system as well as superior troughability, tracking and load support.
- Available with RS, a premium grade DIN W cover compound with high durability, high tear strength and excellent abrasion resistance.
- Can also be supplied with a wide selection of Fenner Dunlop cover specialist compounds such as oil resistant for example.
- Available in 690 N/mm (Nova-X4) and 1040 N/mm (Nova-X6) tensile strength.



Binder yarns lock the carcass together

Crimped Warp polyester yarns provide high strength and low stretch

Fill yarns provide strength and stability under load for excellent rip, tear & impact resistance

Nova-X – Making the Right Selection

Nova-X4 is designed to replace 630/3, 630/4, 630/5, 800/3 and 800/4 multi-ply belts.

Nova-X6 is designed to replace 1000/3, 1000/4, 1000/5, 1250/3 and 1250/4 multi-ply belts.

Splice Strength Advantages

Nova-X is best joined using the finger splice method. This creates the strongest and most reliable joint possible by retaining up to 90% of tensile strength. This is because a step splice will always create a proportional 'loss' of tensile strength that is the equivalent of one ply. For example:

No. of plies	1	2	3	4	5
Maximum % tensile strength	90%	50%	67%	75%	80%



Nova-X
Innovative flexible core
fabric conveyor belt

Visit our
website, and
discover
X Series™
case studies



Nova-X has **2x rip resistance** and **3x tear resistance** of the equivalent plied belt.

Nova-X4

- Tensile strength 690 N/mm
- Can replace up to 800/4
- Stock as Nova-X4 6+3 RS in widths 800, 1000, 1200 mm, or made to order.

Nova-X6

- Tensile strength 1040 N/mm
- Can replace up to 1250/4
- Stock as Nova-X6 8+3 RS in widths 1000, 1200, 1600 mm, or made to order

Belt type	Carcass thickness (mm)	Carcass weight (kg/m ²)	Pulley diameters ⁽¹⁾			Min. cover thickness	Min. width (mm)	Max. belt width (mm) for satisfactory load support with material density of t/m ³ ⁽²⁾			
			A (mm)	B (mm)	C (mm)			< 0.75	0.75 - 1.5	1.5 - 2.5	2.5 - 3.2
Nova-X4	3.6	4.4	500	400	315	6+3	800	2000	1800	1600	1400
Nova-X6	4.9	6.0	630	500	400	8+3	1000	2200	2000	1800	1600

⁽¹⁾ Diameter for belt-loads from 60% up to 100%. For lower loads a smaller diameter can also be suitable.

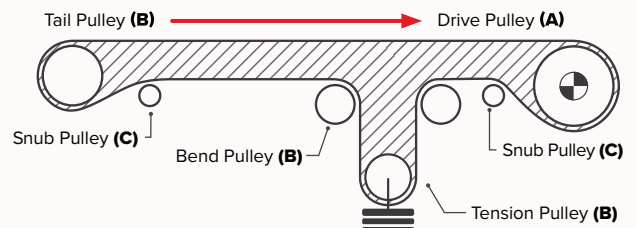
⁽²⁾ The load support of a belt is a factor of the belt width, belt strength and bulk material density. The table indicates the limits for correct load support, based on three idlers of the same length set at 30°.

1 Determine the total belt thickness.

Add the sum of the covers to the carcass thickness.

2 Determine the belt weight per m². *excluding belts for which other weights apply*

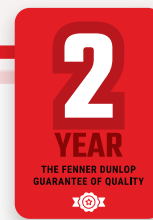
Multiply the sum of the covers by 1.15 and add the result to the carcass weight.



Real time belt monitoring

Protect your belt with Fenner Dunlop damage detection technology.

Offering real-time monitoring and automatic shutdown to lessen damage and reduce repair costs. Choose our monitoring solutions for seamless protection and efficiency.



Learn more
about belt
monitoring

