

## RipMaster

The heavy duty belt you need to move mountains

With 5 times the strength of conventional belts, the special Crows Foot Weave (CFW) fabric gives unmatched resistance to ripping and tearing.

Whilst these belts are often a Custom Made line, they have become a stock item in two ranges.

- Apex RipMaster-M PN1000/3.
- Apex RipMaster-XCG PN1250/4.

**Apex RipMaster-M** provides economical resistance and tearing with tough M Grade covers. **Apex RipMaster-XCG** gives extra protection with higher tensile strength and our unique eXtra Cut & Gouge (XCG) covers that provide a standout performance in applications where increased resistance to heavy impacts, abrasion and gouging is required.

Fenner Dunlop utilise the concept of CFW to achieve higher levels of internal rubber penetration and increased rip resistance. Rip resistance is achieved through the use of lighter warp threads to accommodate more, heavier, weft threads. This culminates in a weave design that if penetrated will force the tear in a weft direction

as opposed to straight along the belt.

With 50% more threads (ends) in the warp, 40% heavier weft yarn, 20% more weft threads (picks) and over twice the strength in the weft this product is an excellent performer. Such a performance is often claimed to be matched but, in service the reality is alternatives that never achieve the same results.



### RipMaster

Carcass Designation	Cover Thick mm	Working Tension		Belt Mass kg/m <sup>2</sup>	Belt Gauge mm	Min. Pulley Diameters			Elastic Modulus kN/m	Stock Width mm	Load Support*		
		Spliced kN/m	Fastened kN/m			Type A mm	Type B mm	Type C mm			800 kg/m <sup>3</sup> mm	1600 kg/m <sup>3</sup> mm	2400 kg/m <sup>3</sup> mm
PN 1000/3	8x3	100	80	20.0	17.0	710	560	450	8700	900-1200	1800	1500	1200
PN1250/4	10x3	140	112	25.3	21.5	900	710	560	13500	1200	–	–	2000

\* Maximum width for material density to

#### Pulley Classifications

**Type A** – High tension, head, drive and tripper  
**Type B** – Low tension, tail, bend and take-up  
**Type C** – Low tension snub

#### Pulley diameters

Pulley diameters shown apply to belts operating at over 60% of maximum allowable working tension.

Diameters of all pulleys must be reduced by 20% where belts are operating at less than 60% of allowable working tension.

For belts at less than 30% of allowable tension, the diameters of Type A pulleys can be further reduced by 20%.

#### Working Tensions

Working tensions assume a reasonably well maintained plant, with infrequent controlled starts and moderate impact.

For more severe service, ie: poor loading, frequent loaded or DOL starts, short time cycles then reduce the above values by 15%.

For extreme service, ie: poorly maintained plant, chemical aggression, bad loading and starting, then reduce the above values by 30%

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