

Sugar FRAS

The sweetest handling belt in Australia's Sugar Industry

Apex Sugar FRAS belting has been formulated to provide the sugar industry with a cost-effective, fire-resistant and anti-static belt for cane, bagesse and sugar product handling.

Apex Sugar FRAS belting meets the self extinguishing and anti-static requirements for Grade K to ISO433 and AS1332.

As part of the Apex Stock Belt Range this belt is normally available from existing floor stock, so contact your local branch or distributor.



Apex Sugar FRAS

Carcass Designation	Cover Thick mm	Working Tension		Belt Mass kg/m ²	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 ³ mm	1600 kg/m ³ mm	2400 kg/m ³ mm
PN450/3	3x1.5	45	36	10.6	7.8	400	315	250	6300	1800-1200	1100	800	600
PN600/4	4x1.5	68	50	13.5	10.1	560	450	360	8400	1800	1500	1200	900

* 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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