CONVEYOR BELTING · DOMESTIC BELT LINE

Spectrum™ Excavator Grade I

A premium-grade belt built to last. Excavator Grade I carries the highest tensile compound and the strongest adhesion available in the market for general service applications — outstanding resistance to cutting, gouging and general abrasion.

The slightly higher cost is offset by the service life of the belt. Made in the USA, rated **110 DIN**.

GENERAL PROPERTIES

- **Impact resistant** — takes large stone and heavy ore at the feed point.
- **Cut, gouge and tear resistant** with minimal stretch.
- **Superior lace retention** and high cover adhesion.
- **Excellent load support** and outstanding durability.

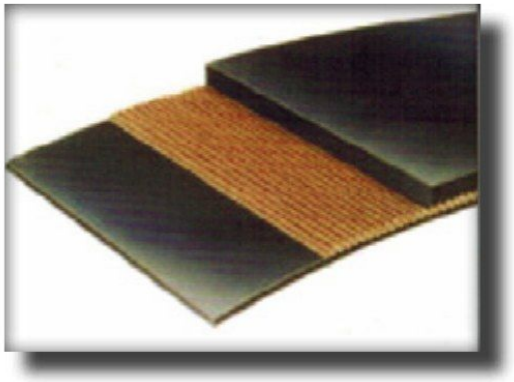
INDUSTRIES

Quarries · Log handling · Cement · Recycling · Auto shredding · Heavy metal scrap · Mining · Construction

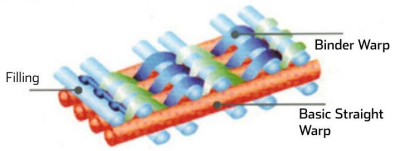
APPLICATIONS

Large stone · Heavy ore · Bucket elevators · Copper ore · Feeders under rock crushers · Primary crushers · Magnetic separators

110	USA	24/7
DIN RATING	MADE IN THE USA	EMERGENCY FIELD RESPONSE



Excavator Grade I



Carcass: binder warp · filling · basic straight warp

Feeders. Crushers. Shredders.

If it takes a beating, this is the belt we put under it. Cut to length, spliced and installed by **our own crews**.

SPECTRUM™ EXCAVATOR GRADE I

Technical Data

COMPOUND / SBR (STYRENE BUTADIENE RUBBER)

Tensile (PSI)	Elongation (%)	Modulus (300%)	Temp. Rating	Duro (Hardness)	Spec. Gravity
3050	580	1500	-40 / 220°F	65 ± 5	1.14

CARCASS / 100% POLYESTER — PLAIN WEAVE, WARP & FILL

11:1 Safety	2/220	3/330	4/440	3/600	4/800
Fabric type	P/P	P/P	P/P	P/P	P/P
Vulcanized & fastener rating (piw)	220	330	440	600	800
Carcass gauge (in.)	.106	.159	.192	.195	.240
Carcass weight (lbs/sq.ft.)	.73	1.09	1.32	1.34	1.64
Approx 1/32 cover wt (lbs/sq.ft.)	.18	.18	.18	.18	.18
Avg. permanent elongation (%)	1.5%	1.5%	1.5%	1.5%	1.5%
Elastic modulus (piw)	23,000	34,500	46,000	66,000	88,000
Recommended fastener plate	140	190	BR-10	BR-10	BR-14
Hinge	R2	R2	R5	R51/2	R6

TROUGHABILITY — MINIMUM BELT WIDTH (IN.)

	2/220	3/330	4/440	3/600	4/800
20° idlers	18	18	24	24	30
35° idlers	18	24	30	30	36
45° idlers	24	30	36	36	42

MINIMUM PULLEY DIAMETERS (IN.)

	2/220	3/330	4/440	3/600	4/800
Over 80% tension	16	18	24	24	30
60% to 80% tension	14	16	20	20	24

LOAD SUPPORT — MAXIMUM BELT WIDTH (IN.)

	2/220	3/330	4/440	3/600	4/800
0–40 lbs/cu.ft.	42	54	60	72	84
41–80 lbs/cu.ft.	36	48	60	60	72
81–120 lbs/cu.ft.	36	48	54	60	72
Over 120 lbs/cu.ft.	30	42	48	54	60

Tell us the plant, the part and the problem.

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