

 **HarvestLine®** *Performance That Speaks for Itself*

The first choice of elevator superintendents for over 30 years.

HarvestLine's ply design delivers high strength along with low elongation and excellent fastener holding properties. Fenner Dunlop protects your purchase by offering a range of cover compounds engineered to fight oil attack, meet OSHA static conductivity requirements and frigid temperatures in harsh grain handling conditions. Long relied on in the grain industry, HarvestLine continues to satisfy end-users as a belt that reduces costs and improves margins.

Applications:

- **Grains**
- **Feed silos**
- **Milling**
- **Other agricultural uses**

Reasons to Count on HarvestLine

- Superior load support and troughability properties
- Excellent bolt retention/bucket projection ratings
- Unequaled cover and ply adhesions
- Very low elongation, minimizing initial break-in period
- Meets OSHA requirements for static conductivity & flame resistance
- Ideal choice for vulcanized splicing or mechanical fasteners
- Variety of cover compounds available to guard against oil attack and cold temperatures



HarvestLine Specification Table - "Imperial"



GENERAL DATA

Carcass Style	HL 2-220	HL 2-300	HL 3-330	HL 4-440	HL 3-450	HL 3-600	HL 4-600	HL 3-750	HL 4-800	HL 4-1000	HL 5-1000	HL 6-1200
Number of Plies	2	2	3	4	3	3	4	3	4	4	5	6
Carcass Gauge ³ (in)	.095	.130	.158	.168	.183	.237	.252	.255	.324	.348	.411	.498
Carcass Weight ⁴ (lb/in/ft)	.055	.070	.083	.100	.085	.114	.120	.121	.161	.170	.208	.255
Elastic Modulus (lbs/in)	26000	37000	29000	55000	47000	72000	57000	72000	82000	90000	105000	132000

CONVEYOR BELT SPECIFICS

Max Tension Rating ² (PIW)	220	300	330	440	450	600	600	750	800	1000	1000	1200
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Troughing/Empty ¹ – Min Belt Width (in)												
20 degree idlers	14	18	20	24	24	28	30	30	30	36	36	42
35 degree idlers	18	20	24	30	30	30	36	36	36	42	42	48
45 degree idlers	24	28	30	36	36	36	42	42	42	48	48	54

Load Support ¹ – Max Belt Width (in)												
20 deg idlers 0 – 50 lbs/ft ³	42	60	60	72	72	84	84	84	96	96	96	96
35 deg idlers 0 – 50 lbs/ft ³	36	54	54	60	60	72	84	72	96	96	96	96
45 deg idlers 0 – 50 lbs/ft ³	30	48	48	54	60	66	72	72	72	84	96	96

Minimum Pulley Diameters (in)												
81 – 100% belt rated tension	16	20	20	24	22	24	28	24	28	28	36	48
61 – 80% belt rated tension	14	16	18	20	18	20	24	20	24	24	32	40
Up to 60% belt rated tension	12	14	14	18	16	18	20	18	20	20	26	32

ELEVATOR BELT SPECIFICS

Maximum Tension Rating (PIW)	190	260	280	370	390	520	520	645	690	870	870	1030
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Minimum Pulley Diameters (in)												
81 – 100% belt rated tension	16	18	18	24	22	30	32	34	36	38	42	48
61 – 80% belt rated tension	14	16	16	20	20	24	26	28	30	32	36	42
Up to 60% belt rated tension	12	14	14	18	18	20	22	22	24	26	30	36

Maximum Bucket Projection (in)												
"Centrifugal" Elevators	6	7	8	10	10	10	11	11	11	12	12	12
"Continuous" Elevators	5	6	7	10	9	12	12	14	14	14	16	20

- Troughability and Load Support values can be influenced by certain cover gauge and compound combinations used. When in doubt, please contact your FDA representative for selection guidance.*
- HarvestLine tension ratings reflect a minimum 10:1 safety factor through 750 PIW offerings, and an 8:1 minimum safety factor for the remaining higher tension offerings. With the appropriate fastener selection and installation, 4:1 minimum mechanical fastener safety factors can be achieved.*
- Add the appropriate cover gauge to this carcass gauge to obtain the approximate overall belt thickness.*
- Add the appropriate cover weight to this carcass weight to obtain the appropriate overall belt weight.*

NOTE: For Metric HarvestLine Specifications above 3-450 please refer to PSR Metric Table, pages 12 & 13. For HarvestLine Specifications 2-220, 3-330 and 4-440, please consult your Fenner Dunlop representative.

