

HarvestFlex® *Your Grain Belt Solution*

Best combination of durability, oil and cold temperature resistance!

HarvestFlex is the toughest conveyor belt made for the agricultural market today. HarvestFlex is produced with a straight-warp carcass to provide maximum rip and tear resistance coupled with superior bolt retention properties. No other belt offers the same durability in conveyor belt or bucket elevator belt applications.

Applications:

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

Reasons to Count on HarvestFlex

- Superior rip and tear resistance
- Unsurpassed bolt retention
- Outstanding troughability and load support attributes
- Unequaled ply and cover adhesions
- Excellent tracking characteristics
- Meets or exceeds OSHA requirements for conductivity & flame resistance
- Variety of cover compounds available to guard against oil attack and cold temperatures



HarvestFlex Specification Table - "Imperial"



GENERAL DATA

Carcass Style	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex	HvFlex
	S2	S3	S4	S5	D5	D6	D8	D10	D12	D15	
Number of Plies	1	1	1	1	2	2	2	2	2	2	
Carcass Gauge ³ (in)	.095	.139	.142	.169	.234	.270	.300	.320	.388	.439	
Carcass Weight ⁴ (lb/in/ft)	.035	.042	.044	.058	.101	.118	.130	.143	.167	.194	
Elastic Modulus (lbs/in)	25000	35000	45000	50000	45000	50000	60000	70000	85000	90000	

CONVEYOR BELT SPECIFICS

Max Tension Rating ² (PIW)	245	330	440	550	550	660	800	1000	1250	1500
Troughing/Empty¹ – Min Belt Width (in)										
20 degree idlers	16	20	24	24	24	24	30	30	30	30
35 degree idlers	20	24	30	30	30	30	36	36	36	36
45 degree idlers	24	30	36	36	36	36	42	42	42	42
Load Support¹ – Max Belt Width (in)										
20 deg idlers 0 – 50 lbs/ft ³	60	72	84	84	84	96	96	96	96	96
35 deg idlers 0 – 50 lbs/ft ³	48	66	72	72	84	96	96	96	96	96
45 deg idlers 0 – 50 lbs/ft ³	42	54	60	66	72	96	96	96	96	96
Minimum Pulley Diameters (in)										
81 – 100% belt rated tension	16	18	20	20	24	30	36	36	36	36
61 – 80% belt rated tension	14	16	18	18	20	24	24	30	30	30
Up to 60% belt rated tension	12	14	16	16	18	20	20	24	24	24

ELEVATOR BELT SPECIFICS

Maximum Tension Rating (PIW)	195	280	370	440	440	550	690	870	1060	1150
Minimum Pulley Diameters (in)										
81 – 100% belt rated tension	16	18	20	20	24	30	36	36	36	36
61 – 80% belt rated tension	14	16	18	18	20	24	24	30	30	30
Up to 60% belt rated tension	12	14	16	16	18	20	20	24	24	24
Maximum Bucket Projection (in)										
"Centrifugal" Elevators	8	10	10	10	12	14	15	16	17	18
"Continuous" Elevators	7	9	10	12	13	15	16	18	20	22

- 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.*
- HarvestFlex tension ratings reflect a minimum 10:1 safety factor through the 660 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 HarvestFlex Specifications, please refer to UsFlex Metric Table, page 17.

