

HERITAGE

Tiger®

HERITAGE

Tiger Conveyor Belts

- Polyester warp yields great strength with minimal stretch
- Polyester fill provides good lateral stiffness and increased load support
- All-polyester construction is superior for fabrication involving hot vulcanization
- Unique S&Z twist offers superior tracking
- Manufactured using quality compounds with high elongation and high adhesion properties
- Available in a 75 lb. and 110 lb. rated fabrics

POLYESTER WARP • POLYESTER FILL • PLAIN WEAVE • S&Z TWIST

Yes, they DO still make them like they used to ... and this belt is proof.

The Tiger's all-polyester carcass resists moisture absorption, and offers excellent chemical and heat resistance, making this belt a versatile choice under a variety of conditions.

TIGER — 80 PIW Polyester/Polyester S&Z Twist Premium Carcass (EE 125)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB./PIW)	1600	2400	3200	4000	4800
OPERATING TENSILE (LB./PIW)					
MEDIUM DUTY @ 10:1 SF	160	240	320	400	480
ELEVATOR @ 10:1 SF*	140	200	275	340	400
SKIM GAUGE (in.)	0.060	0.060	0.030	0.030	0.030
CARCASS GAUGE (± .010 in.)	0.092	0.168	0.188	0.242	0.296
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	8	12	19	24	30
61-100% RATED TENSION	5	10	15	19	24
UP TO 60% RATED TENSION	3	8	10	15	18

* Legg Co. does not recommend the use of poly/poly textiles in elevator belt applications if a poly/nylon is available

TIGER — 110 PIW Polyester/Polyester S&Z Twist Premium Carcass (EE 200)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB./PIW)	2200	3300	4400	5500	6600
OPERATING TENSILE (LB./PIW)					
MEDIUM DUTY @ 10:1 SF	220	330	440	550	660
ELEVATOR @ 10:1 SF*	190	280	375	470	560
SKIM GAUGE (in.)	0.060	0.060	0.030	0.030	0.030
CARCASS GAUGE (± .010 in.)	0.125	0.212	0.238	0.304	0.370
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	16	20	24	30	37
61-100% RATED TENSION	14	18	20	24	30
UP TO 60% RATED TENSION	12	14	18	18	24

* Legg Co. does not recommend the use of poly/poly textiles in elevator belt applications if a poly/nylon is available

BEHIND THE S&Z TWIST

Most belts in the Heritage line feature S&Z Twist, a unique warp yarn design that reduces the natural tendency for a belt to track to one side. Easy tracking helps increase efficiency, so this innovative design more than pays for itself over time.

TIGER — Recommended Load Support

MATERIAL WEIGHT LB./FT. ²	0-40			41-60			61-120			121-180			181-240		
DEGREE OF TROUGH	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°
BELT SPECIFICATION	MAXIMUM BELT WIDTH IN INCHES														
2/150	36	36	30	30	30	24	24	24	18	18	NR	NR	NR	NR	NR
3/225	48	48	42	42	42	42	42	36	36	30	30	24	24	NR	NR
4/320	60	60	54	54	54	48	48	48	42	42	42	36	36	36	30
5/400	72	60	54	60	60	54	54	48	54	48	42	48	42	36	
6/480	72	66	60	72	66	60	66	60	54	60	54	48	54	48	42
2/220	42	42	36	36	36	30	30	30	24	24	24	18	NR	NR	NR
3/330	60	54	54	54	48	48	42	42	42	36	36	36	30	30	30
4/440	72	66	60	60	60	60	54	54	54	48	48	42	42	42	36
5/550	72	72	66	72	72	66	66	60	54	60	54	48	54	54	48
6/660	84	84	72	84	84	72	72	60	54	72	60	54	66	60	54



TIGER — Recommended Troughability

	MINIMUM BELT WIDTH IN INCHES				
BELT SPECIFICATION	2/150	3/225	4/320	5/400	6/480
20° Idler	14	18	24	30	36
35° Idler	18	24	30	36	42
45° Idler	22	28	36	42	48
BELT SPECIFICATION	2/220	3/330	4/440	5/550	6/660
20° Idler	16	18	24	30	36
35° Idler	20	24	30	36	42
45° Idler	24	30	36	42	48

HERITAGE

Grizzly®

HERITAGE Grizzly Conveyor Belts

- Yields great strength with minimal stretch. Ideal when take-up is in short supply
- Unique S&Z twist offers superior tracking
- Maintains tensile strength when wet. Well suited for unprotected applications
- Excellent chemical resistance
- Nylon fill yarns resist ripping, tearing and punctures
- Incorporates Heritage skims, manufactured with high elongation and high adhesion compounds
- Available in 125 lb. and 225 lb. rated fabrics

POLYESTER WARP • NYLON FILL • PLAIN WEAVE • S&Z TWIST

One tough belt that will get the job done

The Grizzly is a rugged, agile belt engineered for maximum performance in a wide range of applications. It combines a powerful polyester warp with nylon fill, which offers additional strength for impact resistance and a level of flexibility that allows the belt to trough under lighter loads.

GRIZZLY — 125 PIW Polyester/Nylon S&Z Twist Premium Carcass (EP 220)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB./PIW)	2500	3750	5000	6250	7500
OPERATING TENSILE (LB./PIW)					
HEAVY DUTY @ 10:1 SF	250	375	500	625	750
ELEVATOR @ 10:1 SF	215	320	425	530	640
SKIM GAUGE (in.)	0.060	0.060	0.030	0.030	0.030
CARCASS GAUGE (± .010 in.)	0.132	0.221	0.250	0.319	0.388
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	16	20	25	30	36
61-80% RATED TENSION	14	18	22	25	30
UP TO 60% RATED TENSION	12	16	18	20	24
MAXIMUM ELEVATOR BUCKET PROJECTION (in.)					
LIGHT DUTY (GRAIN)	7	8	10	11	11
HEAVY DUTY (INDUSTRIAL)	6	7	9	9	10

GRIZZLY — 225 PIW Polyester/Nylon S&Z Twist Premium Carcass (EP 400)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB./PIW)	4500	6750	9000	11250	15000
OPERATING TENSILE (LB./PIW)					
HEAVY DUTY @ 10:1 SF	450	675	900	1125	1500
ELEVATOR @ 10:1 SF	380	575	785	965	1275
SKIM GAUGE (in.)	0.060	0.060	0.040	0.040	0.040
CARCASS GAUGE (± .010 in.)	0.182	0.299	0.356	0.453	0.550
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	20	24	30	34	38
61-80% RATED TENSION	18	20	26	30	34
UP TO 60% RATED TENSION	14	16	22	26	30
MAXIMUM ELEVATOR BUCKET PROJECTION (in.)					
LIGHT DUTY (GRAIN)	10	11	13	14	14
HEAVY DUTY (INDUSTRIAL)	9	10	12	12	13



GRIZZLY — Recommended Load Support

MATERIAL WEIGHT LB./FT. ³	0-40			41-80			81-120			121-160			161-240		
DEGREE OF TROUGH	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°
BELT SPECIFICATION	MAXIMUM BELT WIDTH IN INCHES														
2/250	48	48	42	42	42	36	36	36	30	30	30	NR	24	NR	NR
3/375	60	60	60	54	54	54	48	48	48	42	42	42	36	36	30
4/500	72	72	66	66	66	60	60	60	54	54	54	48	48	48	42
5/625	84	78	78	72	72	66	66	60	60	54	54	54	48	48	48
6/750	96	90	84	84	78	78	72	72	66	66	60	60	54	54	54
2/450	60	60	54	54	48	48	42	42	36	36	30	30	24	24	NR
3/675	72	66	60	66	60	54	54	48	48	48	42	42	36	36	
4/900	84	72	72	72	66	66	72	60	60	54	54	48	48	42	42
5/1125	84	78	78	72	72	72	66	66	66	60	60	60	54	54	48
6/1350	90	84	84	78	78	78	72	72	72	66	66	66	60	60	60

GRIZZLY — Recommended Troughability

	MINIMUM BELT WIDTH IN INCHES				
BELT SPECIFICATION	2/250	3/375	4/500	5/625	6/750
20° Idler	16	20	24	30	36
35° Idler	18	24	30	36	42
45° Idler	24	30	36	42	48
BELT SPECIFICATION	2/450	3/675	4/900	5/1150	6/1350
20° Idler	20	24	30	36	42
35° Idler	24	30	36	42	48
45° Idler	30	36	42	48	54

CHAMPION

CHAMPION Conveyor Belts

- Polyester warp/nylon fill carcass
- Yields great strength with minimal stretch; making it easy to track and train
- Maintains dry tensile strength when wet, making it well suited for unprotected applications
- Resists ripping, tearing, punctures and impact
- Superior agility and flexibility allows belt to trough under lighter loads
- Features excellent chemical resistance and mechanical fastener retention

Formulated to meet the needs of today's world market

Our Champion line truly lives up to its name; combining this carcass with one of Legg's superior compounds ensures a belt that will meet worldwide demands at competitive prices. Compounded with high quality polymers, additives, inhibitors and curing agents, the Champion is a true competitor, on par with top-line belting shipped the world over.

CHAMPION — 90 PIW Polyester/Nylon Carcass (EP 160)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB/PIW)	1800	2700	3600	4500	5400
OPERATING TENSILE (LB/PIW)					
HEAVY DUTY @ 10:1 SF	180	270	360	450	540
ELEVATOR @ 10:1 SF	160	230	300	385	460
SKIM GAUGE (in.)	0.060	0.060	0.030	0.030	0.030
CARCASS GAUGE (±0.010 in.)	0.105	0.185	0.200	0.260	0.320
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	10	18	23	28	34
61-80% RATED TENSION	6	14	20	23	28
UP TO 60% RATED TENSION	4	9	13	18	23
MAXIMUM ELEVATOR BUCKET PROJECTION (in.)					
LIGHT DUTY (GRAIN)	5	7	8	9	10
HEAVY DUTY (INDUSTRIAL)	4	6	7	8	9

CHAMPION — 110 PIW Polyester/Nylon Carcass (EP 200)

NUMBER OF PLYS	2	3	4	5	6
BREAK TENSILE (LB/PIW)	2200	3300	4400	5500	6600
OPERATING TENSILE (LB/PIW)					
HEAVY DUTY @ 10:1 SF	220	330	440	550	660
ELEVATOR @ 10:1 SF	190	290	380	480	575
SKIM GAUGE (in.)	0.060	0.060	0.030	0.030	0.030
CARCASS GAUGE (±0.010 in.)	0.130	0.220	0.245	0.315	0.380
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	16	20	25	30	36
61-80% RATED TENSION	14	18	22	25	30
UP TO 60% RATED TENSION	10	14	16	18	24
MAXIMUM ELEVATOR BUCKET PROJECTION (in.)					
LIGHT DUTY (GRAIN)	6	8	9	10	11
HEAVY DUTY (INDUSTRIAL)	5	7	8	9	10

CHAMPION — Recommended Load Support

MATERIAL WEIGHT (LB/FT)	0-40			41-80			81-120			121-160			161-240		
DEGREE OF TROUGH	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°
BELT SPECIFICATION	MAXIMUM BELT WIDTH IN INCHES														
2/180	36	36	30	30	30	24	24	24	18	18	NR	NR	NR	NR	NR
3/270	48	48	42	42	42	42	36	36	36	30	30	24	24	NR	NR
4/360	60	60	54	54	54	48	48	48	42	42	42	36	36	36	30
5/460	72	66	66	66	60	60	60	54	54	54	48	48	48	42	42
6/540	84	78	72	72	72	66	66	66	60	60	60	54	54	54	48
2/220	42	42	36	36	36	30	30	30	24	24	24	18	NR	NR	NR
3/330	54	54	54	48	48	48	42	42	42	36	36	36	30	30	30
4/440	66	66	60	60	60	54	54	54	48	48	48	42	42	42	36
5/560	78	72	72	72	66	66	66	60	60	54	54	48	48	48	42
6/660	90	84	78	72	72	72	66	66	66	60	60	60	54	54	48

CHAMPION — Recommended Troughability

MINIMUM BELT WIDTH IN INCHES					
BELT SPECIFICATION	2/180	3/270	4/360	5/460	6/540
20° Idler	12	16	22	28	32
35° Idler	16	20	26	30	36
45° Idler	20	22	30	32	40
BELT SPECIFICATION	2/220	3/330	4/440	5/560	6/660
20° Idler	14	18	24	30	36
35° Idler	18	22	28	33	42
45° Idler	22	24	32	36	48



CHAMPION

CHAMPION — 180 PIW Polyester/Nylon Carcass (EP 315)

NUMBER OF FLIES	2	3	4	5	6
BREAKTENSILE(LB/PIW)	3600	5400	7200	9000	10800
OPERATINGTENSILE(LB/PIW)					
HEAVY DUTY @ 10:1 SF	360	540	720	900	1080
ELEVATOR @ 10:1 SF	300	480	600	765	920
SKIM GAUGE (in.)	0.060	0.060	0.040	0.040	0.040
CARCASS GAUGE (±0.010 in.)	0.165	0.270	0.321	0.410	0.500
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	18	22	28	32	36
61-80% RATED TENSION	16	18	24	28	32
UP TO 60% RATED TENSION	12	13	18	20	24
MAXIMUM ELEVATOR BUCKET PROJECTION					
LIGHT DUTY (GRAIN)	9	10	11	12	13
HEAVY DUTY (INDUSTRIAL)	8	9	10	11	12

CHAMPION — 200 PIW Polyester/Nylon Carcass (EP 350)

NUMBER OF FLIES	2	3	4	5	6
BREAKTENSILE (LB/PIW)	4000	6000	8000	10000	12000
OPERATINGTENSILE (LB/PIW)					
HEAVY DUTY @ 10:1 SF	400	600	800	1000	1200
ELEVATOR @ 10:1 SF	350	500	680	850	1000
SKIM GAUGE (in.)	0.060	0.060	0.040	0.040	0.040
CARCASS GAUGE (±0.010 in.)	0.170	0.290	0.350	0.445	0.537
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	20	24	30	34	38
61-80% RATED TENSION	18	20	26	30	34
UP TO 60% RATED TENSION	14	16	20	24	28
MAXIMUM ELEVATOR BUCKET PROJECTION					
LIGHT DUTY (GRAIN)	10	11	12	13	14
HEAVY DUTY (INDUSTRIAL)	9	10	11	12	13

CHAMPION — 250 PIW Polyester/Nylon Carcass (EP 450)

NUMBER OF FLIES	2	3	4	5	6
BREAKTENSILE (LB/PIW)	5000	7500	10000	12500	15000
OPERATINGTENSILE (LB/PIW)					
HEAVY DUTY @ 10:1 SF	500	750	1000	1250	1500
ELEVATOR @ 10:1 SF	425	640	850	1060	1275
SKIM GAUGE (in.)	0.060	0.060	0.040	0.040	0.040
CARCASS GAUGE (±0.010 in.)	0.227	0.372	0.452	0.582	0.702
MINIMUM PULLEY DIAMETER					
81-100% RATED TENSION	22	24	32	36	40
61-80% RATED TENSION	20	22	28	32	36
UP TO 60% RATED TENSION	16	18	24	28	30
MAXIMUM ELEVATOR BUCKET PROJECTION (in.)					
LIGHT DUTY (GRAIN)	11	12	13	14	15
HEAVY DUTY (INDUSTRIAL)	10	11	12	13	14

CHAMPION — Recommended Load Support

MATERIAL WEIGHT (LB/FT)	0-40			41-80			81-120			121-180			181-240		
DEGREE OF TROUGH	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°	20°	35°	45°
BELT SPECIFICATION	MAXIMUM BELT WIDTH IN INCHES														
2/360	48	48	48	42	42	42	36	36	36	30	30	24	NR	NR	NR
3/540	54	54	54	48	48	48	42	42	42	36	36	36	30	30	24
4/720	60	60	60	54	54	54	48	48	48	42	42	42	36	36	36
5/900	72	66	66	66	60	60	60	54	54	54	48	48	48	42	42
6/1080	78	72	72	72	66	66	66	60	60	60	54	54	54	48	48
2/400	54	54	54	48	48	48	42	42	36	36	36	30	30	24	24
3/600	66	66	60	60	54	54	54	48	48	42	42	36	36	30	30
4/800	78	72	72	66	66	60	60	54	54	48	48	48	42	42	42
5/1000	84	78	72	72	72	66	66	66	60	60	60	60	54	48	48
6/1200	90	84	84	78	78	72	72	66	66	60	60	60	54	54	48
2/500	60	60	54	54	54	48	48	42	42	36	36	30	30	24	24
3/750	72	66	66	54	54	54	48	48	48	42	42	36	36	30	30
4/1000	84	78	72	66	66	60	60	54	54	48	48	48	42	42	36
5/1250	90	84	72	72	72	66	66	60	60	54	54	54	48	48	42
6/1500	96	90	84	78	78	72	72	66	66	60	60	60	54	54	54

CHAMPION — Recommended Troughability

MINIMUM BELT WIDTH IN INCHES					
BELT SPECIFICATION	2/360	3/540	4/720	5/900	6/1080
20° Idler	18	22	34	40	44
35° Idler	20	26	38	44	48
45° Idler	22	30	40	50	52
BELT SPECIFICATION	2/400	3/600	4/800	5/1000	6/1200
20° Idler	20	24	36	42	48
35° Idler	22	28	40	48	52
45° Idler	24	32	42	54	58
BELT SPECIFICATION	2/500	3/750	4/1000	5/1250	6/1500
20° Idler	24	28	40	46	52
35° Idler	26	32	44	52	56
45° Idler	28	36	46	58	62

