



CAMBRI-LINK

DURABLE, EFFICIENT BELTING FOR SPIRAL CAGE AND STRAIGHT-LINE APPLICATIONS

POSITIVE DRIVE • FULLY COLLAPSIBLE



LARGE OPEN AREAS

• Rugged flat wire style belt

• Efficient and economical

• For straight-line and spiral applications

BELT TURNING RADIUS*

2.2 x Belt Width (Nominal Inside)

**STANDARD RADIUS
CAMBRI-LINK**

-OR-

**LEADING EDGE
PERFORMANCE LINK****

Down to 1.5 x Belt Width

**REDUCED RADIUS
CAMBRI-LINK**

-OR-

**LEADING EDGE
PERFORMANCE LINK****

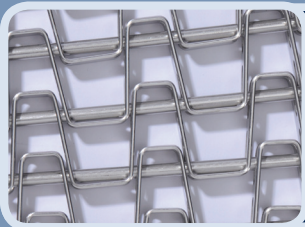
Down to 1.0 x Belt Width

**TIGHT RADIUS
CAMBRI-LINK**

*Cambri-Link belts are also available for straight running applications.

**Leading Edge Performance Link belts are available for spiral systems with high tangential tension ratings (600 lbs. or more)

ALL CAMBRI-LINK BELTS PROVIDE INDUSTRY-LEADING BENEFITS:



Large open mesh area for efficient air circulation and drainage



Positive drive system for a continuous product flow that is smooth and vibration-free



**SIDE VIEW:
CAMBRI-LINK PICKETS**

Fully collapsible construction for easy cleaning: each picket has an oblong slot that holds the rod, which allows better access for sanitation and reduced area for bacteria build-up



Smooth, flat surface for excellent product stability

APPLICATIONS

BAKING

COOLING

FREEZING

PROOFING

TRANSFERS

WASHING

PROVEN RESULTS

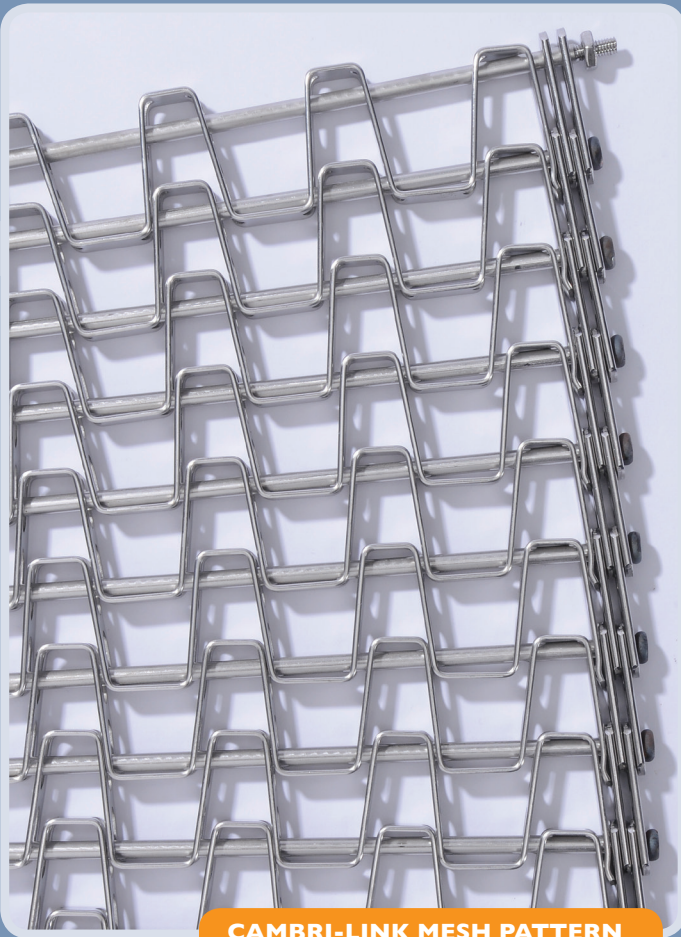


A potato products company noticed a significant decrease in product throughput when they changed their spiral freezer to plastic belting. They then decided to try Cambri-Link belting, and their throughput immediately increased. Cambri-Link provided much better air flow and was more efficient than the plastic belting.



CAMBRI-LINK SPECIFICATIONS

STANDARD RADIUS BELTS



CAMBRI-LINK MESH PATTERN

CAMBRI-LINK BELT WEIGHTS: STANDARD & REDUCED RADIUS

BELT WIDTH		WEIGHT PER UNIT LENGTH OF BELT			
		1/2" X 1" MESH		1" X 1" MESH	
IN.	MM	LBS./LIN.FT.	KG/LIN. M	LBS./LIN.FT.	KG/LIN. M
12	305	3.24	4.82	2.94	4.37
14	356	3.78	5.62	3.43	5.10
16	406	4.32	6.43	3.92	5.83
18	457	4.86	7.23	4.41	6.56
20	508	5.40	8.04	4.90	7.29
22	559	5.94	8.84	5.39	8.02
24	610	6.48	9.64	5.88	8.75
26	660	7.02	10.45	6.36	9.46
28	711	7.56	11.25	6.85	10.19
30	762	8.10	12.05	7.34	10.92
32	813	8.64	12.86	7.83	11.65
34	864	9.18	13.66	8.32	12.38
36	914	9.72	14.46	8.81	13.11
38	965	10.26	15.27	9.30	13.84
40	1,016	10.80	16.07	9.79	14.57
42	1,067	11.34	16.87	10.28	15.30
44	1,118	11.88	17.68	10.77	16.03
46	1,168	12.42	18.48	11.26	16.75
48	1,219	12.96	19.28	11.75	17.49

CAMBRI-LINK SPECIFICATIONS: STANDARD RADIUS BELTS

BELT PITCH	1" (25.4 mm)
MESH SIZES	1/2" x 1" (12.7 x 25.4 mm) 1" x 1" (25.4 x 25.4 mm)
FLAT STRIP	Extra Heavy Duty: 1/2" x .0625" (12.7 x 1.59 mm)
RODS	Extra Heavy Duty: 6 gauge – 0.192" (4.9 mm) diameter
BELT TURNING RADIUS	Nominal inside turning radius is 2.2 x belt width Custom configurations available for oversized (>2.2) radii
BELT WIDTH RANGE	12" to 48" (305 mm to 1,219 mm) standard. Custom widths available
MATERIALS	Wear resistant stainless steel (VWSS) throughout, standard. Also available in T304 or T316 stainless steel, high carbon steel (HCS), or galvanized steel.
WELDING	Button head welds on rods
EDGE REINFORCEMENT	Furnished with double reinforcing bars on both edges, unless otherwise specified
SPECIAL CONSTRUCTIONS	Extra heavy duty reinforcing bars available for added tension capabilities Side plates and lane dividers available Other special constructions and attachments are available for unique applications

TENSION LIMITS*	BELT TYPE	STRAIGHT RUNNING	TURN OR SPIRAL (DOUBLE BARS ON BOTH SIDES)
		1/2" x 1" standard mesh	1,700 lbs./ft. (2,530 kg/M)
	1/2" x 1" extra heavy duty mesh	1,700 lbs./ft. (2,530 kg/M)	400 lbs./ft. (595 kg/M)
	1" x 1" standard mesh	1,350 lbs./ft. (2,009 kg/M)	200 lbs./ft. (297 kg/M)
	1" x 1" extra heavy duty mesh	1,350 lbs./ft. (2,009 kg/M)	400 lbs./ft. (595 kg/M)

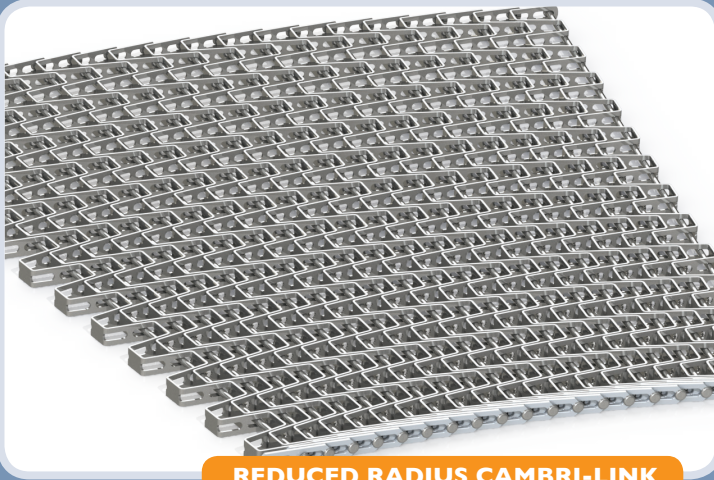
*For double reinforcement edge construction

CAMBRI-LINK SPECIFICATIONS

REDUCED RADIUS BELTS

REDUCED (1.5) RADIUS BELTING

- Saves valuable floor space
- Provides greater throughput because a wider belt can be used in the same amount of floor space
- Reduces energy costs due to greater load capacity in smaller systems
- Constructed with no central links or bars to interfere with product placement



REDUCED RADIUS CAMBRI-LINK



CAMBRI-LINK WITH LANE DIVIDERS
(Available for all Cambri-Link belts)

CAMBRI-LINK SPECIFICATIONS: REDUCED RADIUS BELTS

Specifications for Cambri-Link Reduced Radius belts are the same as Cambri-Link Standard Radius belts, except as noted below:

BELT TURNING RADIUS	1.5 belt width to 2.0 x belt width Other belt radii possible for custom applications
EDGE REINFORCEMENT	1.7 Radius belts are constructed with single reinforcing bars along the inside belt edge 1.5 Radius belts eliminate the reinforcing bars on the inside belt edge Reduced radius belts cannot be flipped
SPECIAL CONSTRUCTIONS	Extra heavy duty reinforcing bars are available for the outside belt edge Lane dividers and side plates are available For 1.5 Radius belts, side plates may only be used on the outside belt edge
SPROCKETS	Uses standard Cambri-Link sprockets

TANGENTIAL TENSION	TYPE OF BELT*	Straight Run Application		Turn or Spiral Application <i>Single Bar on Inside Double Bars on Outside</i>	
		lbs./ft.	kg/M	lbs.	kg
	1/2" x 1"	1,700	2,530	400	181.4
	1" x 1"	1,350	2,009	400	181.4

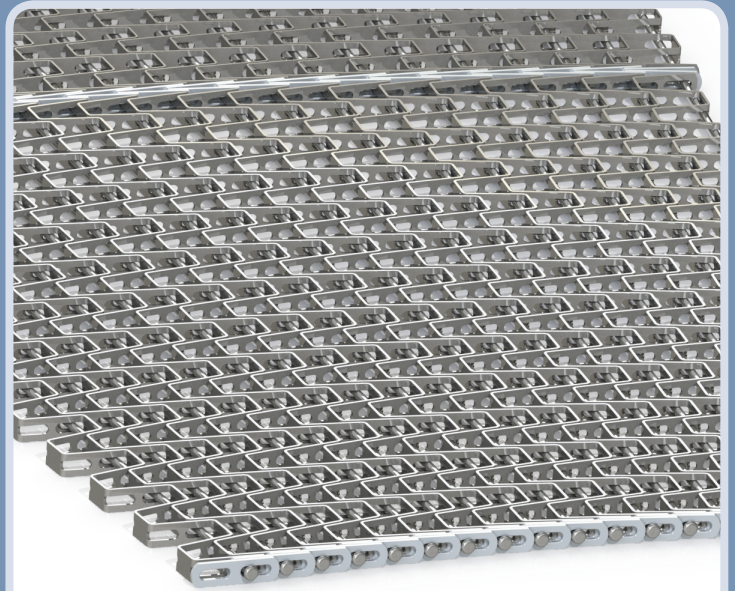
*Double extra heavy duty reinforcement edge construction

CAMBRI-LINK SPECIFICATIONS

TIGHT RADIUS BELTS

TIGHT (1.0) RADIUS BELTING

- Constructed with two turn belts that share a common rod
 - Inner section is a 1/2" x 1" or 1" x 1" Cambri-Link mesh belt
 - Outer section has an elongated pitch to allow for the necessary edge extension
- Generally has no reinforcement on the inner or outer belt edges; however, single or double reinforcing bars are available
- Tight turning radius of 1.0 x belt width



TIGHT RADIUS CAMBRI-LINK

CAMBRI-LINK SPECIFICATIONS: TIGHT RADIUS BELTS

Specifications for Cambri-Link Tight Radius belts are the same as Cambri-Link Standard belts, except as noted below:

MESH SIZES (INNER OUTER)	1/2" x 1" 1/2" x 1-1/2" (12.7 x 25.4 mm 12.7 x 38.1 mm) 1" x 1" 1/2" x 1-1/2" (25.4 x 25.4 mm 12.7 x 38.1 mm) 1" x 1" 1" x 1-1/2" (25.4 x 25.4 mm 25.4 x 38.1 mm)
FLAT STRIP	Inner Section: 1/2" x .0625" (12.7 x 1.59 mm) Outer Section: 1/2" x .0460" (12.7 x 1.17 mm)
BELT TURNING RADIUS	1.0 x belt width to 2.0 x belt width Other belt radii possible for custom applications
MATERIALS	Wear resistant stainless steel (WRSS) throughout, standard Also available in T304 or T316 stainless steel, or high carbon steel (HCS)
EDGE REINFORCEMENT	Standard: extra heavy duty double reinforcing bars form an internal tension-bearing row; no reinforcement on belt edges Single or double reinforcing bars are available for one or both edges
SPECIAL CONSTRUCTIONS	Extended bar side plates available Lane dividers available
SPROCKETS	Uses standard sprockets for 1" pitch Cambri-Link belts

	TYPE OF BELT*	Straight Run Application		Turn or Spiral Application	
		Tension per Unit of Belt Width		Total Allowable Tension	
TANGENTIAL TENSION		lbs./ft.	kg/M	lbs.	kg
	1/2" x 1" 1/2" x 1-1/2"	850	1,265	400	181.4
	1" x 1" 1/2" x 1-1/2"	675	1,005	400	181.4
	1" x 1" 1" x 1-1/2"	675	1,005	400	181.4

*Double extra heavy duty reinforcement edge construction

LEADING EDGE PERFORMANCE-GRID

LEADING EDGE PERFORMANCE GRID

- Designed for systems with high tangential tension ratings of 600 lbs. or more (272+ kg)
- Operates at sustained speeds up to 150 feet per minute (45.7 meters per minute)
- Weight-bearing capacity of 15 lbs. per linear foot or more (22+ kg per meter)
- Collapses down to a 1.5 turn radius ratio
- Constructed with double rows of extra heavy duty reinforcing bars plus three rows of heavy duty links on the outside edge



LEADING EDGE PERFORMANCE LINK

LEADING EDGE PERFORMANCE LINK

Specifications for LE Performance Link belts are the same as Cambri-Link Standard belts, except as noted below:

BELT PITCH	1" (25.4 mm) nominal
BELT TURNING RADIUS	Down to 1.5 x belt width
BELT WIDTH RANGE	12" to 60" standard (305 to 1,524 mm)
MATERIALS	Wear Resistant Stainless Steel (WRSS)
TENSION LIMITS	Tangential tension rating of 600 lbs. (272 kg) or more

SPROCKET INFORMATION

CAMBRI-LINK & LEADING EDGE PERFORMANCE LINK

CAMBRI-LINK SPROCKETS

NO. OF TEETH/ SPROCKET DESIG.	NOMINAL DIAMETER		OVERALL DIAMETER		PITCH DIAMETER		HUB DIA. (BOTTOM DIAMETER)		HUB LENGTH		FACE WIDTH		APPROX. WEIGHT		BORE SIZE	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KG	IN	MM
Cambri-Link E-Code Steel and Stainless Steel Sprockets for 1" x 1" and 1/2" x 1" Belts																
13E	4	101.6	4.850	123.2	4.350	110.5	-	-	2.000	50.8	1.5	38.1	5	2.27	3/4 to 1-5/8	19.1 to 41.3
18E	6	152.4	6.617	168.1	6.117	155.4	-	-	2.000	50.8	1.5	38.1	9	4.08	3/4 to 2	19.1 to 50.8
23E	8	203.2	8.368	212.5	7.868	199.8	4.0	101.6	2.000	50.8	1.85	47.0	12	5.44	3/4 to 2-1/2	19.1 to 63.5
Cambri-Link E-Code UHMW Plastic Sprockets for 1" x 1" and 1/2" x 1" Belts																
13E	4	101.6	4.850	123.2	4.350	110.5	-	-	2.000	50.8	2.0	50.8	1.7	0.77	3/4 to 2	19.1 to 50.8
18E	6	152.4	6.617	168.1	6.117	155.4	5.617	142.7	2.000	50.8	2.0	50.8	1.5	0.68	3/4 to 3	19.1 to 76.2
23E	8	152.4	8.368	212.5	7.868	199.8	7.368	187.1	2.000	50.8	2.0	50.8	1.2	0.54	3/4 to 4	19.1 to 101.6

LEADING EDGE PERFORMANCE LINK SPROCKETS

NO. OF TEETH/ SPROCKET DESIGNATION	PITCH DIAMETER		BOTTOM DIAMETER		HUB LENGTH		BORE SIZE		SPROCKET THICKNESS		APPROXIMATE WEIGHT	
	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KG	LBS	KG
18E	6.117	155.4	5.617	142.7	2.0	50.8	1.0 - 4.0	25.4 - 101.6	2.0	50.8	1.5	0.68
23E	7.875	200.0	7.368	187.1	2.0	50.8	1.0 - 4.0	25.4 - 101.6	2.0	50.8	1.2	0.54

Materials: UHMW and Stainless Steel

CAMBRI-LINK SPROCKET



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