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

POSITIVE DRIVE • FULLY COLLAPSIBLE

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 (WRSS) 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*
*For double reinforcement edge construction

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)               200 lbs./ft. (297 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)

CAMBRI-LINK MESH PATTERN

CAMBRI-LINK BELT WEIGHTS:
STANDARD & REDUCED RADIUS

BELT WIDTH WEIGHT PER UNIT LENGTH OF BELT

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 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

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 BELT WEIGHTS: STANDARD & REDUCED RADIUS

<table>
<thead>
<tr>
<th>BELT WIDTH</th>
<th>WEIGHT PER UNIT LENGTH OF BELT</th>
<th>1/2&quot; X 1&quot; MESH</th>
<th>1&quot; X 1&quot; MESH</th>
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<tbody>
<tr>
<td>IN.</td>
<td>MM</td>
<td>LBS./LIN.FT.</td>
<td>KG/LIN. M</td>
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<tr>
<td>12</td>
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<td>3.24</td>
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<tr>
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<td>46</td>
<td>1,168</td>
<td>12.42</td>
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<tr>
<td>48</td>
<td>1,219</td>
<td>12.96</td>
<td>19.28</td>
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</table>

**CAMBRI-LINK MESH PATTERN**

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 (WRSS) 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***
*For double reinforcement edge construction

- 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)
- 1" x 1" standard mesh: 1,350 lbs./ft. (2,009 kg/M)
- 1" x 1" extra heavy duty mesh: 1,350 lbs./ft. (2,009 kg/M)
- TURN OR SPIRAL (DOUBLES BAR ON BOTH SIDES)

- 1,700 lbs./ft. (2,530 kg/M)
- 400 lbs./ft. (595 kg/M)
- 1,350 lbs./ft. (2,009 kg/M)
- 400 lbs./ft. (595 kg/M)

**PROVEN RESULTS**
Applications
- Baking
- Cooling
- Freezing
- Proofing
- Transfers
- Washing

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.

**RUGGED FLAT WIRE STYLE BELT**
**ECONOMICAL AND EFFICIENT**
**FOR STRAIGHT-LINE AND SPIRAL APPLICATIONS**

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

LARGE OPEN MESH AREA FOR EFFICIENT AIR CIRCULATION AND DRAINAGE

SMOOTH, FLAT SURFACE FOR EXCELLENT PRODUCT STABILITY

**POSITIVE DRIVE SYSTEM**
For a continuous product flow that is smooth and vibration-free

ALL CAMBRI-LINK BELTS PROVIDE INDUSTRY-LEADING BENEFITS:
- 2.2 x Belt Width (Nominal Inside)
- STANDARD RADIUS CAMBRI-LINK
- OR
- LEADING EDGE PERFORMANCE LINK**

**BELT TURNING RADIUS**
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 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

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

REDUCED RADIUS CAMBRI-LINK

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

<table>
<thead>
<tr>
<th>TYPE OF BELT*</th>
<th>Straight Run Application</th>
<th>Turn or Spiral Application</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lbs./ft.</td>
<td>kg/M</td>
</tr>
<tr>
<td>1/2” x 1”</td>
<td>1,700</td>
<td>2,530</td>
</tr>
<tr>
<td>1” x 1”</td>
<td>1,350</td>
<td>2,009</td>
</tr>
</tbody>
</table>

*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

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### 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 | 1/2” x 1” | 1/2” x 1-1/2” (12.7 x 25.4 mm | 12.7 x 38.1 mm) |
| INNER | OUTER |
|---|---|---|---|
| 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) |

<table>
<thead>
<tr>
<th>BELT TURNING RADIUS</th>
<th>1.0 x belt width to 2.0 x belt width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other belt radii possible for custom applications</td>
<td></td>
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</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>TYPE OF BELT*</th>
<th>TANGENTIAL TENSION</th>
<th>Straight Run Application</th>
<th>Turn or Spiral Application</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2” x 1”</td>
<td>1/2” x 1-1/2”</td>
<td>lbs./ft.</td>
</tr>
<tr>
<td>1/2” x 1”</td>
<td>1/2” x 1-1/2”</td>
<td>850</td>
<td>1,265</td>
</tr>
<tr>
<td>1” x 1”</td>
<td>1” x 1-1/2”</td>
<td>675</td>
<td>1,005</td>
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</table>

*Double extra heavy duty reinforcement edge construction
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

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

<table>
<thead>
<tr>
<th>BELT PITCH</th>
<th>1&quot; (25.4 mm) nominal</th>
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<tbody>
<tr>
<td>BELT TURNING RADIUS</td>
<td>Down to 1.5 x belt width</td>
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<tr>
<td>BELT WIDTH RANGE</td>
<td>12&quot; to 60&quot; standard (305 to 1,524 mm)</td>
</tr>
<tr>
<td>MATERIALS</td>
<td>Wear Resistant Stainless Steel (WRSS)</td>
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<tr>
<td>TENSION LIMITS</td>
<td>Tangential tension rating of 600 lbs. (272 kg) or more</td>
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</table>
### 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 SPROCKETS

<table>
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<tr>
<th>NO. OF TEETH/SPROCKET DESIGN</th>
<th>PITCH DIAMETER</th>
<th>BOTTOM DIAMETER</th>
<th>HUB LENGTH</th>
<th>BORE SIZE</th>
<th>SPROCKET THICKNESS</th>
<th>APPROXIMATE WEIGHT</th>
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<td>MM</td>
<td>IN</td>
<td>MM</td>
</tr>
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<td>-</td>
<td>-</td>
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<tr>
<td>18E</td>
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<tr>
<td>23E</td>
<td>8</td>
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<td>8.368</td>
<td>212.5</td>
<td>7.868</td>
<td>199.8</td>
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</table>

**Cambri-Link E-Code UHMW Plastic Sprockets for 1” x 1” and 1/2” x 1” Belts**

<table>
<thead>
<tr>
<th>NO. OF TEETH/SPROCKET DESIGN</th>
<th>PITCH DIAMETER</th>
<th>BOTTOM DIAMETER</th>
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<td>8.368</td>
<td>212.5</td>
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<td>199.8</td>
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**Materials:** UHMW and Stainless Steel

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**CAMBRIDGE ENGINEERED SOLUTIONS**

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www.cambridge-es.com