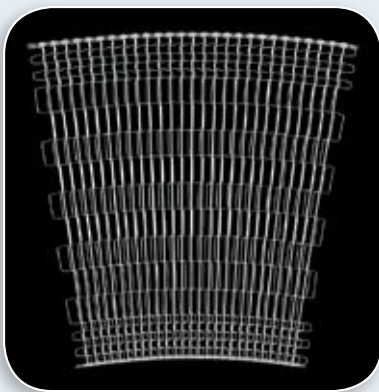




Product Benefits

- More carrying capacity
- Improved efficiency
- Stronger yet lighter-weight
- One style works for all spiral cage applications
- Easy to clean
- Food safe



[www.cambridge-intl.com/
duralite.aspx](http://www.cambridge-intl.com/duralite.aspx)

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DuraLite™ Belts

Stronger yet Lighter-Weight • Food-Safe • Easy to Clean



Are you tired of being forced to choose between a risky underperforming belt ... and one that simply isn't cost-efficient? As today's newest innovation in belting, DuraLite™ belts from Cambridge offer you a far better choice.

Greater load-carrying capacity and smoother operating performance. Dramatically fewer breaks or mishaps – thereby reducing plant downtime and service costs. Longer service life for maximum ROI. In these and so many other ways, DuraLite™ belts really pull their weight for you.

- **More carrying capacity** – The highest strength-to-belt weight ratio on today's market ... twice as strong as rod-only belts ... and 35% stronger than standard 1" x 1" style belts.
- **Improved efficiency** – Our unique 3" x 1" interior mesh chills and freezes foods faster by improving air circulation and drainage.

- **Stronger yet lighter-weight** – A belt that's up to 40% lighter means less wear on the belt and cage components, thereby saving energy while greatly reducing potential debris.

- **One style works for all spiral cage applications** – With turn ratios ranging from 1.0 to 2.8, DuraLite™ gives you the widest possible array for any one belt construction.

- **Easy to clean** – Made from stainless steel, the 3" x 1" interior mesh provides twice the open area of modular plastic belts.

- **Food safe** – the sanitary materials used in the construction of DuraLite™ belts make them the food industry's best choice for food safety and protection.

DuraLite™ belts are ideal for processes ranging from **cooking and proofing to cooling and freezing** ... in diverse product applications like **breads, pies & tarts, pizza, ice cream and other ready-to-eat foods**.

Weight of DuraLite™ Belts

(Non-Reinforced)*

Belt Width		Weight per Unit Length of Belt	
in	mm	lbs/lin ft	kg/lin m
24	610	4.73	7.04
26	660	5.08	7.56
28	711	5.43	8.08
30	762	5.78	8.60
32	813	6.13	9.12
34	864	6.48	9.64
36	914	6.83	10.16
38	965	7.17	10.67
40	1,016	7.52	11.19
42	1,067	7.87	11.71
44	1,118	8.22	12.23
46	1,168	8.57	12.75
48	1,219	8.92	13.28
50	1,270	9.27	13.80
52	1,321	9.62	14.32
54	1,372	9.97	14.84
56	1,422	10.31	15.34

* Weights do not include bar weights; add reinforcing bar weight per Rebar Weight Table below.

Belt Turning Radius

DuraLite™ spiral system belts are available for cages with turning ratios from 1.0 to 2.8. The nominal inside turning radius is dependent on the reinforcing bar construction on the inside edge of the belt. Contact us for turn radii greater than 2.8x the belt width.



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Results that Mesh

DuraLite Specifications

Belt Pitch: 1.33" (33.8 mm)

Mesh Size: 1" x 1" (nominal) on outer edges and 3" x 1" (nominal) in the belt's interior – two times stronger than rod-only belt designs and 35% stronger than conventional 1" x 1" style cage belts

Extra Heavy-Duty Flat Strip: ½" x .0625" (12.7 mm x 1.59 mm)

Extra Heavy-Duty Rods: 6 gauge, 0.192" (5.9 mm) diameter

Outer Edge Construction: Double extra heavy-duty reinforcing bars (standard)

Belt Width Range: 24" to 56" (610 mm to 1,422 mm) overall (standard) ... other widths also available

Materials: Wear-resistant stainless steel (WRSS) throughout (standard) ... also available in T-304, T-316 or high carbon steel

Welding: Button-head welds on rods

Sprockets: 14 tooth, 6.34" OD, extra heavy-duty sprocket. UHMW material (standard) ... stainless and carbon steel also available on request

Special Constructions: Contact us for side-plates, lane dividers and flight availability

Tension Limits for DuraLite™ Belts

Belt Material	Straight-Running Application	Turn or Spiral Application
WRSS	850 lbs. per ft. of width	400 lbs.
T-304 or T-316	650 lbs. per ft. of width	300 lbs.
Carbon Steel	850 lbs. per ft. of width	400 lbs.

Rebar Weight Table

Turn Ratio	Radius Type	Add lbs/lin/ft	Add kg/lin m
1.00 – 1.34	Super-tight	0.30	0.45
1.35 – 1.59	Tight	0.45	0.67
1.60 – 1.99	Reduced	0.50	0.74
2.00 – 2.39	Standard	0.60	0.89
2.40 – 2.80	Oversize	0.67	1.00

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