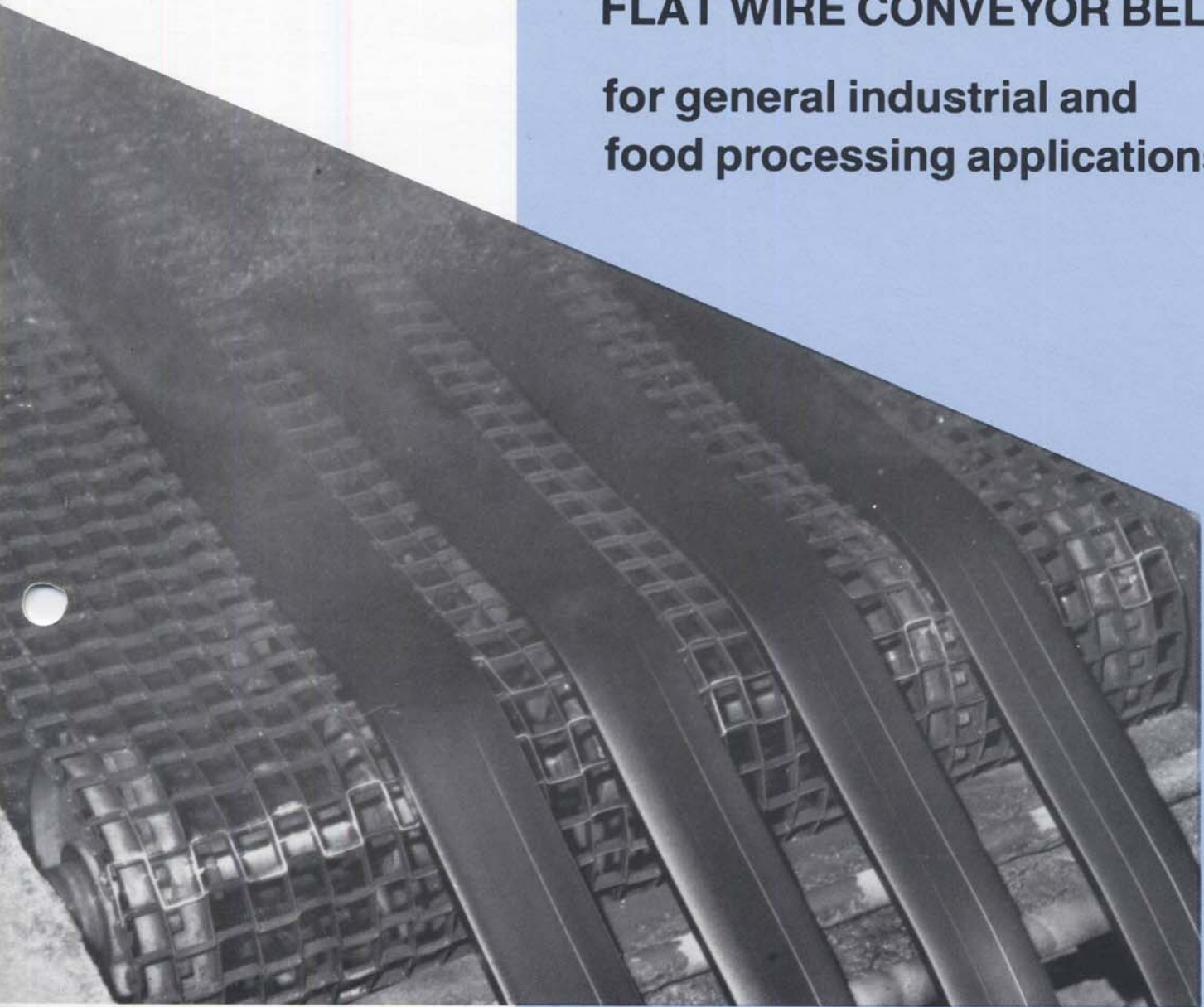


WIREMATION

FLAT WIRE CONVEYOR BELTS

for general industrial and
food processing applications



PERFORMANCE

WIREMATION

QUALITY

WIREMATION INDUSTRIES

DIVISION OF LUMSDEN CORPORATION

STANDARD-WEIGHT BELTS—CLINCHED EDGE

BELT SPECIFICATIONS

Mesh	Flat Strip Size	Rod Diameter	Edge	Width		Max. Working Tension (lbs.) Ft. of Width*	Approx. Wgt. Lb. Sq. Ft.
				Min.	Max.		
1" x 1"	3/8" x .046	11 Gage (.120)	Clinched	4 1/2"	180"	480	1.85
1/2" x 1"	3/8" x .046	11 Gage (.120)	Clinched	4 1/2"	180"	660	2.20

Available in galvanized steel, high-carbon steel, T-304 stainless steel, and T-316 stainless steel.

*Maximum working tension per foot of belt width for drum-driven applications only. For sprocket-driven applications consult factory.

STANDARD-WEIGHT BELTS—WELDED EDGE

BELT SPECIFICATIONS

Mesh	Flat Wire Size	Rod Diameter	Edge	Width		Max. Working Tension (Lbs./ Ft. of Width)*	Approx. Wgt. Lb. Sq. Ft.
				Min.	Max.		
1" x 1"	3/8" x .046	11 Gage (.1205)	Button Head Welded	7"	150"	480	1.85
1/2" x 1"	3/8" x .046	11 Gage (.1205)	Button Head Welded	7"	150"	660	2.20
1/2" x 1/2" (Modified 1/2" x 1")	3/8" x .046	11 Gage (.1205)	Button Head Welded	7"	150"	660	2.50
1/2" x 1/2" (True)	3/8" x .046	11 Gage (.1205)	Button Head Welded	7"	150"	750	3.25

Available in galvanized steel, high-carbon steel, type 304 stainless steel, and type 316 stainless steel.

*Maximum working tension per foot of belt width for drum-driven applications only. For sprocket-driven applications consult factory.

HEAVY-DUTY BELTS—WELDED EDGE

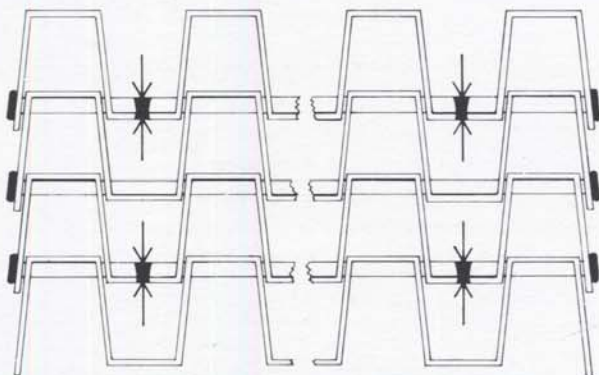
BELT SPECIFICATIONS

Mesh	Flat Wire Size	Rod Diameter	Edge	Width		Max. Working Tension (Lbs./ Ft. of Width)*	Approx. Wgt. Lbs. Sq. Ft.
				Min.	Max.		
1" x 1"	1/2" x .062	6 Gage† (.192)	Button Head Welded	7"	120"	1350	3.50
1/2" x 1"	1/2" x .062	6 Gage† (.192)	Button Head Welded	7"	120"	1750	3.90

†High-tensile-strength rods.

Available in galvanized steel, high-carbon steel, and stainless steels.

*Maximum working tension per foot of belt width for drum-driven applications only. For sprocket-driven applications consult factory.



INTERNAL WELDS

All Wiremation welded-edge belts feature the resistance welding of every other crossrod to the flat strip near each edge of the belt. This provides greater strength and eliminates belt shrinkage under heavy loads without restricting flexibility of the belt.

SPROCKET SPECIFICATIONS

SERIES "S" CAST IRON SPROCKETS FOR 1" X 1" AND 1/2" X 1" STANDARD-WEIGHT BELTS

Sprocket No.	Nominal Dia.	No. of Teeth	Material	Pitch Dia.	Face Width	Hub Dia.	O.A. Width	Bore		Wgt. Lbs.
								Min.	Max.	
13S	4"	13	Cast Iron	4.350	1 1/2"	2 1/2"	2 1/8"	3/4"	1 3/4"	4 1/2
13SP	4"	13	Plastic (1)	4.350	1 3/4"	None	1 3/4"	3/4"	2 1/2"	3/4
18S	6"	18	Cast Iron	6.160	1 1/2"	3 3/4"	2 1/8"	3/4"	2 3/4"	8 1/2
18SP	6"	18	Plastic (1)	6.160	1 3/8"	4"	2"	3/4"	2 1/2"	1 1/2
18SS	6"	18	Stainless	6.160	1 1/4"	3"	1 7/8"	3/4"	2 1/2"	8 1/2
23S	8"	23	Cast Iron	7.870	1 1/2"	4 1/2"	2 1/8"	1 "	3 "	13 1/2
23SP	8"	23	Plastic (1)	7.910	1 3/8"	5"	2"	1 "	3 "	2 1/4
31S	10"	31	Cast Iron	10.650	1 1/2"	4 1/2"	2 1/8"	1 1/4"	3 "	17
37S	12"	37	Cast Iron	12.680	1 1/2"	5"	2 1/8"	1 7/16"	3 1/2"	23
18M(2)	6"	18	Cast Iron	6.160	1 1/2"	3 1/2"	2 1/8"	1 "	2 1/2"	8 3/4

(1) UHMW Polyethylene - Fully Machined.

(2) For use with modified 1/2" x 1/2" Mesh Belts. Other sizes can be furnished on special order.

SERIES "HD" CAST IRON SPROCKETS FOR 1" X 1" AND 1/2" X 1" HEAVY-DUTY BELTS

Sprocket No.	Nominal Dia.	No. of Teeth	Material	Pitch Dia.	Face Width	O.A. Width	Hub Dia.	Bore		Approx. Wgt. Lbs.
								Min.	Max.	
13HD	4"	13	Cast Iron	4.390	1 1/2"	2 1/8"	2 3/4"	3/4"	2 "	5 3/4
18HD	6"	18	Cast Iron	6.190	1 1/2"	2 1/8"	A-4"	1"	2 3/4"	10 1/2
							B-5"	2 1/2"	3 1/2"	
18HP	6"	18	Plastic (1)	6.160	1 3/8"	2"	4"	3/4"	2 1/2"	1 1/2
23HD	8"	23	Cast Iron	7.910	1 1/2"	2 1/8"	A-4 1/2"	1 "	3 "	14
							B-5 1/2"	3 "	4 1/2"	
23HP	8"	23	Plastic (1)	7.910	1 3/8"	2 "	5 "	1 "	3 "	2 1/2
31HD	10"	31	Cast Iron	10.680	1 1/2"	2 1/8"	5 1/2"	1 1/4"	3 3/4"	24
37HD	12"	37	Cast Iron	12.720	1 1/2"	2 1/8"	5 1/2"	1 1/2"	3 3/4"	27

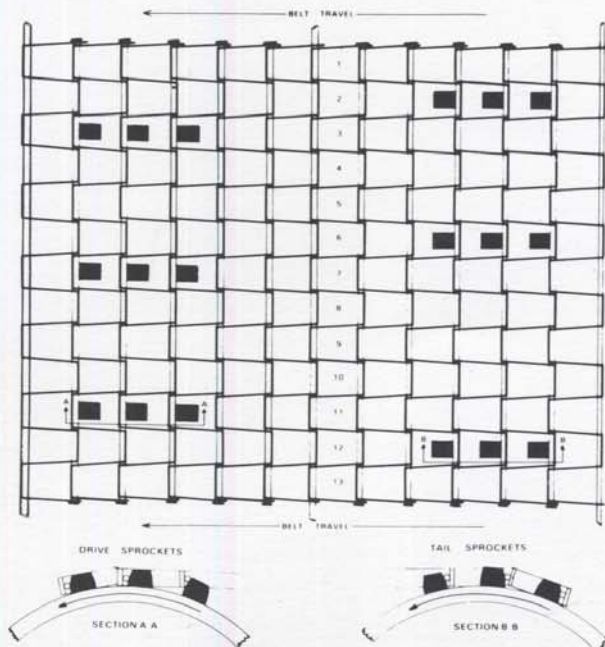
(1) UHMW Polyethylene - Fully Machined

SERIES "T" DUAL TOOTH FULLY MACHINED SPROCKETS FOR TRUE 1/2" X 1/2" MESH

Sprocket No.	Nominal Dia.	No. of Teeth	Material	Pitch Dia.	Face Width	Hub Dia.	O.A. Width	Bore		Wgt. Lbs.
								Min.	Max.	
22T	4"	22 x 2	Steel (1)	3.780	2"	None	2"	3/4"	2 1/4"	5
22TP	4"	22 x 2	Plastic (2)	3.780	2"	None	2"	3/4"	2 "	1/2
38T	6"	38 x 2	Ductile Iron	6.530	2"	3 1/2"	2"	3/4"	2 1/2"	12
38TP	6"	38 x 2	Plastic (2)	6.530	2"	None	2"	3/4"	3 "	2
62T	10"	62 x 2	Ductile Iron	10.680	2"	4 1/2"	2"	1 3/16"	3 1/2"	19

(1) C1117 Steel

(2) UHMW Polyethylene



LOCATION OF SPROCKETS

Proper sprocket location as shown in the drawing on the left is essential for smooth belt operation. Sprocket teeth must always drive against the connector rods. This is accomplished by locating the **Drive** sprockets so that the teeth are in the odd-numbered mesh openings and locating the **Tail** sprockets so that the teeth are in the even numbered mesh openings.

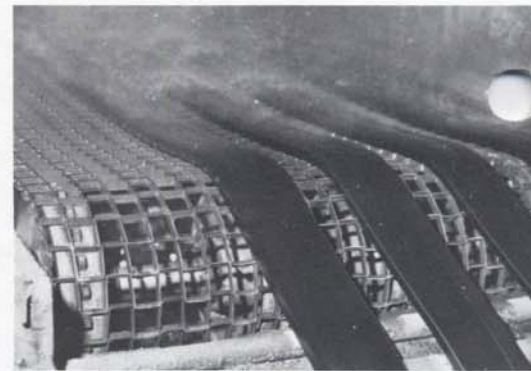
It is very important when mounting sprockets to have the long side of the hubs all facing the same direction. Avoid placing drive sprockets so that they drive on the outside mesh openings.

WIREMATION

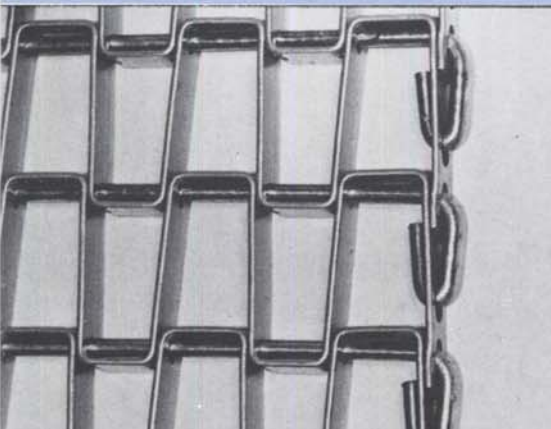
FLAT WIRE CONVEYOR BELTS

Flat wire belts offer important advantages in many industrial and food processing applications. They provide faster drainage of liquids, free air circulation and ease of cleaning. Thus, they are ideal in operations where sanitation is a prime consideration. The flat surface also facilitates transfer operations such as sorting and assembling.

Wiremation flat wire belting is available in mesh sizes $\frac{1}{2}$ " x $\frac{1}{2}$ ", $\frac{1}{2}$ " x 1" and 1" x 1", in galvanized carbon steel and stainless steel. Its strength, durable construction and dependable performance can meet your most demanding on-the-job requirements.



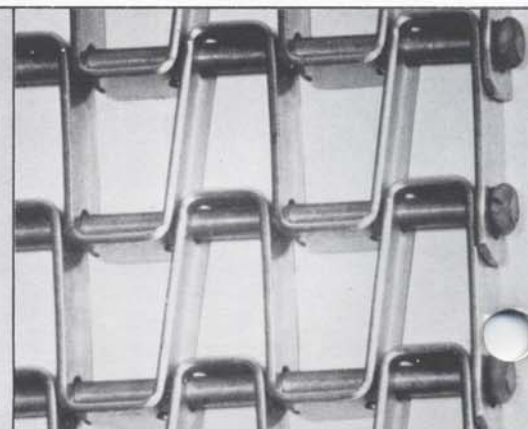
Wiremation flat wire belting provides a smooth, level surface for precise handling of hot rubber strip.



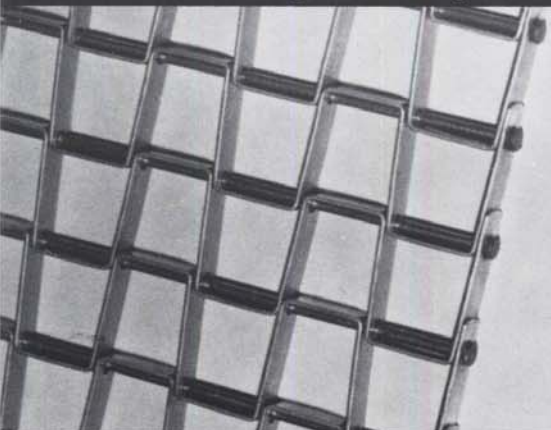
$\frac{1}{2}$ " x 1" mesh clinched-edge standard-weight belt



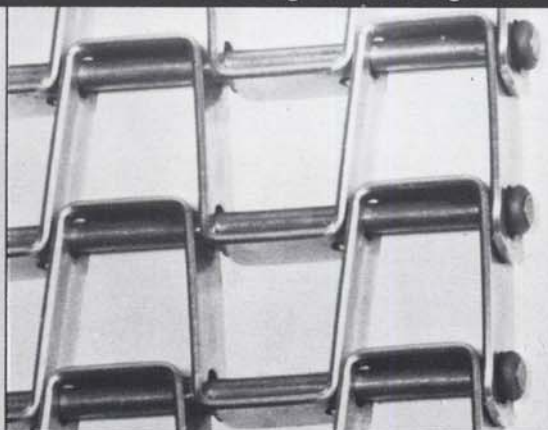
$\frac{1}{2}$ " x 1" mesh welded-edge standard-weight belt



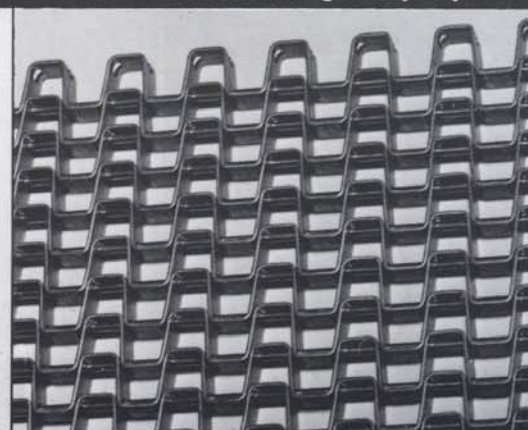
$\frac{1}{2}$ " x 1" mesh welded-edge heavy-duty belt



1" x 1" mesh welded-edge standard-weight belt



1" x 1" mesh welded-edge heavy-duty belt



$\frac{1}{2}$ " x $\frac{1}{2}$ " mesh welded-edge standard-weight belt

Sales Offices located throughout the United States



WIREMATION INDUSTRIES
DIVISION OF LUMSDEN CORPORATION

P. O. Box 4647, Lancaster, Pennsylvania 17604
Phone 717-394-6871



solid-type sprocket—6" nominal diameter