



# DURAFLEX

ADVANCED TECHNOLOGY TO REPLACE FLEX-STYLE WIRE BELTS

EASY 30-SECOND SPLICING • EXCELLENT CLEANABILITY



**CAMBRIDGE**  
ENGINEERED SOLUTIONS

LONGER BELT LIFE

## APPLICATIONS

**BAKING**

**BATTERING & BREADING**

**COATING**

**COLLECTION**

**COOLING**

**CURING**

**DEWATERING**

**DRYING**

**FILLING**

**FORMING**

**FREEZING**

**FRYING**

**ICING**

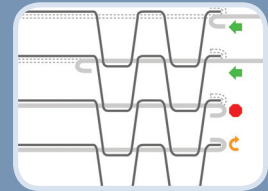
**INFEEDS & EXITS**

**OVENS**

**TRANSFERS**

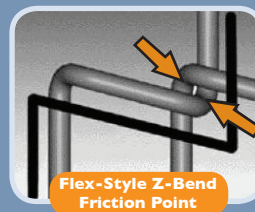
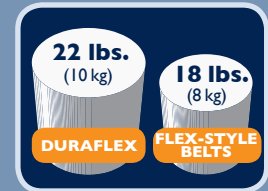
**WASHING**

Kwik Connect Splice Rods allow for splicing in as little as 30 seconds. The wire strip is never bent during a DURAFLEX splice, so no weak points are created in the belt.



Testing has shown that DURAFLEX can withstand up to 39 times more duty cycles than flex-style belting.

DURAFLEX belts are rated at 22 lbs. per bend.  
Flex-style belts are rated at only 18 lbs. per bend.



Flex-style belts with Z-bends experience friction at the intersection points, which leads to metal fatigue. Flex-style belts also tend to “wing up” on the edges, which causes interference with other conveyors and equipment.

DURAFLEX bends with a true hinge in both directions, which eliminates friction and metal fatigue. The true hinge also ensures proper tracking throughout the life of the belt.

## PROVEN RESULTS



A global confectionery brand installed DURAFLEX to achieve improved cleanability, which resulted in over \$50,000 in annual water savings.



Replacing flex-style belting with DURAFLEX increased belt life from three months to over a year for a large snack food manufacturer.

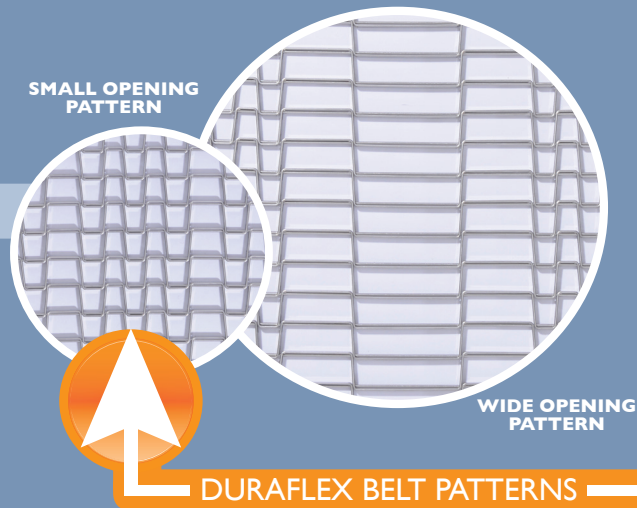


# DURAFLEX

## TECHNICAL SPECIFICATIONS

### DURAFLEX TECHNICAL SPECIFICATIONS

	INCHES	METRIC
<b>Belt Width (Range)</b>	4" to 144"	101.6 to 3657.6 mm
<b>Belt Pitch</b>	3/8" or 1/2"	9.5 or 12.7 mm
<b>Flat Strip</b>	.035" x .162"	0.9 x 4.1 mm
<b>Rod Diameter</b>	.050"	1.3 mm
<b>Materials</b>	1/2 Hard Stainless Steel (Strip) 3/4 Hard Stainless Steel (Rod)	



### DURAFLEX REPRESENTATIVE WEIGHTS

Belt Width		Weight	
INCHES	MM	LBS./LINEAR FEET	KG/LINEAR METER
24"	610 mm	1.59	2.36
30"	762 mm	1.97	2.93
36"	914 mm	2.35	3.50
42"	1067 mm	2.73	4.06
48"	1219 mm	3.11	4.63

Weights are based on a 1/2" pitch with sprocket lanes on nominal 6" centers.



DURAFLEX DUAL-TOOTH DRIVE SPROCKET



DURAFLEX PLATE-STYLE SPROCKET

AIDS IN CLEANABILITY

### DURAFLEX SPROCKET INFORMATION

1/2" Pitch (12.7 mm Pitch)				3/8" Pitch (9.5 mm Pitch)			
Outside Diameter (OD)		# of Teeth	Max Bore (with Keyway)	Outside Diameter (OD)		# of Teeth	Max Bore (with Keyway)
1.54"	39.1 mm	9	5/8"   15.9 mm	1.51"	38.4 mm	13	5/8"   15.9 mm
2.19"	55.6 mm	13	1-1/8"   28.6 mm	2.16"	54.9 mm	19	1-1/8"   28.6 mm
2.51"	63.8 mm	15	1-3/8"   34.9 mm	2.58"	65.5 mm	23	1-3/8"   34.9 mm
3.16"	80.3 mm	19	1-3/4"   44.5 mm	3.01"	76.5 mm	27	1-3/4"   44.5 mm
4.12"	104.6 mm	25	2-1/2"   63.5 mm	4.07"	103.4 mm	37	2-1/2"   63.5 mm

Materials: Stainless Steel or Acetal

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