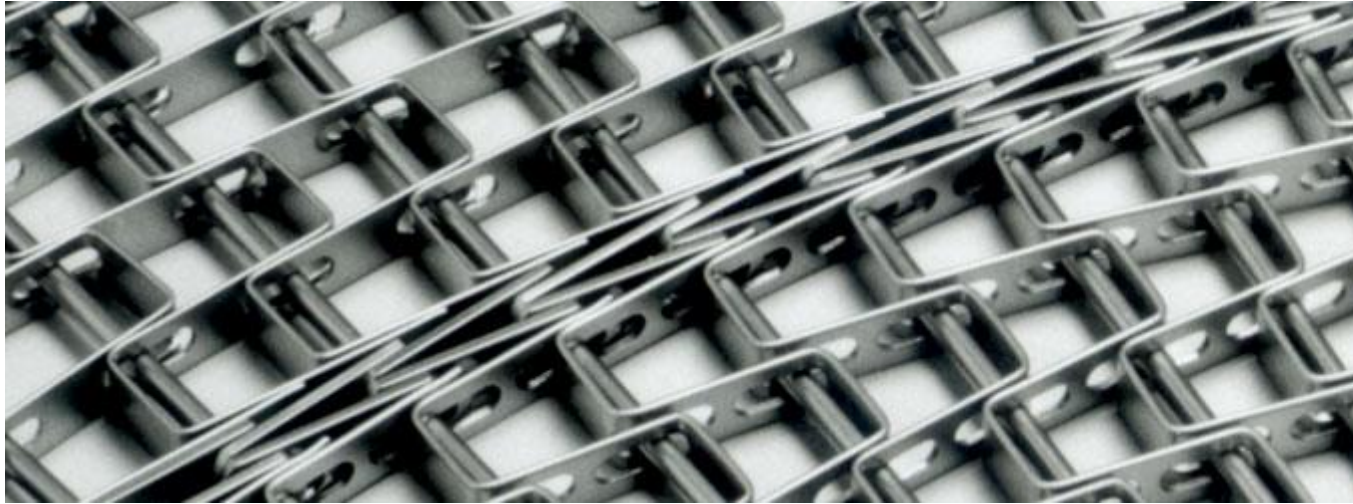


SMALL RADIUS FLAT WIRE BELTS



Offers a rugged flatwire style belt for spiral systems, or other applications requiring right- or left-hand turning capabilities

- Rugged, flat-wire style belt
- Right- and left-turn capabilities
- Smooth, vibration-free operation in straight or turn configurations

small radius flat wire belts offer processors the advantages of a rugged flat wire style of belt for spiral system applications. Designed for multi-tier spiral conveyor systems used in the food industry, they are also ideal for many other applications requiring right- and left-turn capabilities, such as in conveying around obstacles or in limited space, and eliminating transfers.

small radius flat wire belts spiral system belts are available in standard (2.2) radius - reduced (1.7 or 1.5) radius - and tight (1.0) radius designs contact us for other radius options. small radius flat wire belts are offered with single or double reinforcing bars. Various combinations of reinforcing bars can be

configured to achieve added tension capabilities.

Reduced Radius Belts

small radius flat wire belts are available with a minimum inside radius of 1.7 or 1.5 times the belt width. These belts require no central links or bars to interfere with product placement. Both are ideal for freezing, cooling and proofing applications. They allow bakery products, meat, fish, poultry or packaged specialty products to be processed with space-saving efficiency.

Efficient and economical, these belts provide many outstanding benefits:

- Large open-mesh area for air circulation and drainage.
- High strength-to-weight ratio for increased capacity.
- Collapsibility for quick and easy cleaning.
- Minimum maintenance for low operating costs.
- Long service life for maximum return on investment.
- Flat surface for excellent product stability.
- Smooth, vibration-free operation in straight or turn configurations.

Tension Limits for Standard and Reduced Radius Belts

TYPE OF BELT	DOUBLE REINFORCEMENT EDGE CONSTRUCTION	STRAIGHT RUNNING APPLICATION		TURN OR SPIRAL APPLICATION	
		DOUBLE BARS ONE SIDE		DOUBLE BARS BOTH SIDES	
		LBS/FT	KG/M	LBS	KG
1/2" X1" MESH	EXTRA HEAVY DUTY	1,700	2,530	400	136.1
1" X1" MESH	EXTRA HEAVY DUTY	1,350	2,009	400	136.1

Standard and Reduced Radius Belt Specifications

BELT PITCH:	1" (25.4MM)
MESH SIZES:	1/2" X 1" OR 1" X 1"
WELDS:	STANDARD DUTY - PLASMA ARC ... HEAVY DUTY - DOUBLE COMPRESSION
BELT WIDTH RANGE:	12" TO 48" (305MM TO 1,219MM) OVERALL, STANDARD ... OTHER WIDTHS ALSO AVAILABLE
MATERIALS:	WEAR-RESISTANT STAINLESS STEEL (WRSS) IS STANDARD. OTHER MATERIALS AVAILABLE ARE T-316 AND HCS.
SPECIAL CONSTRUCTIONS:	SIDE PLATES AND LANE DIVIDERS AVAILABLE

Tension Limits for Tight Radius Belts

TYPE OF BELT	DOUBLE REINFORCEMENT EDGE CONSTRUCTION	STRAIGHT RUNNING APPLICATION		TURN OR SPIRAL APPLICATION	
		TENSION PER UNIT OF BELT WIDTH		TOTAL ALLOWABLE TENSION	
		LBS/FT	KG/M	LBS	KG
1/2" X 1" / 1/2" X 1-1/2"	EXTRA HEAVY DUTY	850	1,265	400	136.1
1" X 1" / 1/2" X 1-1/2"	EXTRA HEAVY DUTY	675	1,005	400	136.1
1" X 1" / 1" X 1-1/2"	EXTRA HEAVY DUTY	675	1,005	400	136.1

small radius flat wire belts Sprockets

DIA. MM	NO. TEETH/SPROCKET DESIGNATION	OVERALL DIA.		PITCH DIA.		HUB DIA. (BOTTOM DIA.)		HUB LENGTH		FACE WIDTH		APPROX. WT.		B S
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KG	
01.6	13E	4.719	121.4	4.406	111.9			2.125	54.0	1.5	38.1	5	2.27	3/4
52.4	18E	6.625	168.3	6.125	155.6	3.5	88.9	2.125	54.0	1.5	38.1	9	4.08	3/4
203.2	23E	8.375	212.7	8.875	200.0	4.0	101.6	2.500	63.5	2.0	50.8	12	5.44	3/4

TRI-LINK® E-CODE STEEL AND STAINLESS STEEL FOR 1" X 1" OR 1/2" X 1" BELTS

RI-LINK® E-CODE UHMW PLASTIC SPROCKETS FOR 1" X 1" OR 1/2" X 1" BELTS														
01.6	13E	4.719	121.4	4.406	111.9			2	50.8	2	50.8	0.7	0.31	3/4
52.4	18E	6.617	168.1	6.177	155.4			2	50.8	2	50.8	1.6	0.74	3/4
103.2	23E	8.368	212.5	7.868	199.8			2	50.8	2	50.8	2.9	1.31	3/4

Tight Radius Belts

With a 1.0 turning radius, tight radius belts offer maximum productivity in minimum space. The design consists of two turn belts sharing a common rod. The inner belt section is a 1/2" x 1" or 1" x 1" mesh small radius flat wire belts while the outer section has an elongated pitch to allow for the edge extension necessary to accomplish the tight turning radius. The belt tension is carried by rows of extra heavy-duty reinforcement where the belts meet in the center. Single or double reinforcing bars are also available.

The tension-bearing reinforcing bars can be placed further from the center of the belt, if desired, to adjust the turn radius to a greater dimension – ideal for balancing floor space requirements with carrying surface and dwell time requirements.

Key industries: Food Processing

Key applications: Freezing