



HIGH FREQUENCY WELDING

CLEATS, SIDEWALLS AND GUIDES



By using a High Frequency machine, cleats and profiles are welded directly onto the cover of the conveyor belt. This method eliminates the need for bonding cements and provides superior physical and esthetic characteristics.

High Frequency machine offers these important advantages:

- ▶ Excellent FLEXIBILITY
- ▶ Exceptional DURABILITY
- ▶ Superior ADHESION
- ▶ Retains shape
- ▶ Smooth surface
- ▶ FDA & USDA Approved

Welding of narrow base PU cleats allows belting to flex over pulleys as small as 1" diameter.

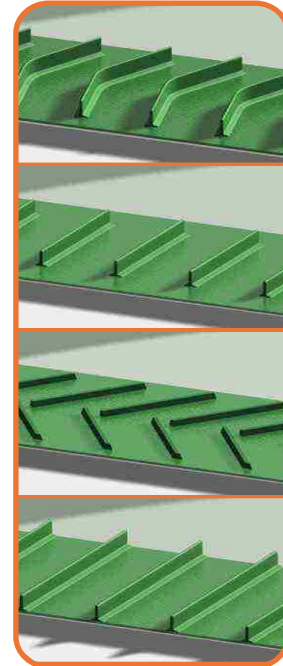
See Application Possibilities



MAIN APPLICATIONS

CLEATS - PROFILE CHARACTERISTICS

PROFILE	SECTION	TYPE / SECTION	DIMENSIONS				Mass [g/m]	MATERIAL	MIN. Ø ROLLERS	
			[mm]		[in]				Transversal [mm]	[in]
10° PROFILES		R20	35	20	1.38	0.78	325	PVC	80	3.20
		R30	35	30	1.38	1.18	430	PVC	80	3.20
		R40	35	40	1.38	1.57	540	PVC	80	3.20
		R50	35	50	1.38	1.97	735	PVC	80	3.20
		R60	40	60	1.57	2.36	775	PVC	130	5.12
10° REINFORCED PROFILES		L30	30	30	1.18	1.18	330	PVC	80	1.57
		L40	25	40	0.98	1.57	400	PVC	100	3.94
		L50	30	50	1.18	1.97	660	PVC	140	5.51
VERTICAL PROFILES		PU20	10	20	0.39	0.78	140	PU	25	0.98
		PU30	10	30	0.39	1.18	180	PU	25	0.98
		PU50	10	50	0.39	1.97	300	PU	25	0.98
30° PU/PL PROFILES		PU30-30	10	30	0.39	1.18	180	PU	35	1.38
		PU50-30	10	50	0.39	1.97	280	PU	35	1.38
HIGH EFFICIENCY		C80	40	80	1.57	3.15	1385	PVC	130	5.12



V-GUIDES - PROFILE CHARACTERISTICS

SQUARE		M12	12	12	0.47	0.47	180	PVC	50	1.97
RECTANGULAR		M15	20	15	0.78	0.59	380	PVC	80	3.20
V-GUIDE		K6	6	4	0.24	0.16	30	PVC/PU	20	0.79
		K8	8	5	0.31	0.19	40	PVC/PU	30	1.18
		"O"	10	6	0.39	0.24	60	PVC/PU	40	1.57
		"A"	13	8	0.51	0.31	110	PVC/PU	60	2.36
NOTCHED V-GUIDE		"B"	17	11	0.67	0.43	185	PVC/PU	90	3.54
		"C"	22	14	0.86	0.55	320	PVC/PU	130	5.12
		"D"	30	16	1.18	0.63	490	PVC/PU	180	7.08

HARDNESS:

PVC green or white, 70° Shore A hardness

PU green or white, 85° Shore A FDA approved

Profiles for transverse application only.

- To define minimum diameter, account for belt flexibility.
- Data are theoretical and refer to conveyor belt class 10N, 2 plies.
- For temperatures below 5°C, account for a reasonable increase of minimum pulley diameters (20%).

SIDEWALLS - FEASIBLE DESIGNS.

Sidewalls eliminate spillage and serve as an alternative to the traditional throughed conveyors, with the following advantages:

- ▶ Higher conveying capacity
- ▶ No spillage
- ▶ Application on conveyors with varying inclines
- ▶ When fitted with cleats, material can be conveyed on an incline up to 90°.

TYPE	Material	Color	Rollers Ø		DIMENSIONS				Suggested Profiles
			[mm]	[in]	B	H	B	H	
SPV35	PVC	GR/WH	100	3.94	44	35	1.73	1.38	R30
SPV55	PVC	GR/WH	120	4.72	44	55	1.73	2.16	R50 - F50
SPV85	PVC	GR/WH	150	5.90	44	85	1.73	3.35	R80 - C80
SPU30	PU	GR/WH	100	3.94	40	30	1.57	1.18	PU30 - 30
SPU50	PU	GR/WH	120	4.72	40	50	1.57	1.97	PU50 - 30
SPU80	PU	GR/WH	150	5.90	40	80	1.57	3.15	PU50

GR/WH = green / white



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