



LOAD RATINGS

CEMA E - TROUGH IDLERS (RIGID FRAME)

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)				ROLL ONLY	MELCO LOAD RATING (lbs)				L10h*
	IDLER SET			TROUGH ANGLE		IDLER SET			ROLL ONLY	
	20°	35°	45°			20°	35°	45°		
36	1800	1800	1800		1260	2200	2200	2200	2800	63 100
42	1800	1800	1800		1260	2400	2400	2400	2300	63 100
48	1800	1800	1800		1260	1900	1900	1900	1900	63 100
54	1800	1800	1800		1260	2800	2800	2800	1700	63 100
60	1800	1800	1800		1260	2300	2300	2300	1500	63 100
72	1800	1800	1800		1260	1800	1800	1800	2100	63 100
84	1800	1674	1620		1260	2400	2400	2400	1800	63 100
96	1750	1628	1575		1225	2000	2000	2000	1500	68 700

CEMA E - 2 ROLL VEE-RETURNS

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)		MELCO LOAD RATING (lbs)		L10h*
	IDLER SET	ROLL ONLY	IDLER SET	ROLL ONLY	
36	1300	780	1500	2800	> 100 000
42	1300	780	1700	2300	> 100 000
48	1300	780	1400	2000	> 100 000
54	1300	780	2000	1700	> 100 000
60	1300	780	1700	1500	> 100 000
66	1300	780	1500	1300	> 100 000
72	1300	780	1200	1200	> 100 000
84	1300	780	2100	1000	> 100 000
96	1300	780	1400	900	> 100 000

CEMA E - SINGLE ROLL RETURNS

BELT WIDTH	CEMA REQUIRED LOAD RATING (lbs)	MELCO LOAD RATING (lbs)	L10h*
	IDLER SET	IDLER SET	
36	1000	1500	67 000
42	1000	1300	67 000
48	1000	1100	67 000
54	925	1000	84 000
60	850	900	> 100 000
72	700	700	> 100 000
84	550	600	> 100 000
96	400	500	> 100 000

L10h is the calculated Bearing life in hours at 500rpm and the CEMA specified load rating.

Dimensions in inches, Weight in lbs.